





Recombinant Human Melanotransferrin (MELTF) (Active)

Product Code CSB-MP013754HU1 Abbreviation Recombinant Human MELTF protein (Active) Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.		
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Form Lyophilized powder Storage Buffer Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4 Product Type Recombinant Protein Immunogen Species Homo sapiens (Human) Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Human MELTF at 2 μg/mL can bind Anti-MELTF recombinant antibody (CSB-RA013754MA1HU). The EC50 is 0.3476-0.4529 ng/mL. Purity Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC. Sequence GMEVRWCATSDPEQHKCGNMSEAFREAGIQPSLLCVRGTSADHCVQLIAAQE ADAITLDGGAIYEAGKEHGLKPVVGEVYDQEVGTSYYAVAVVRRSSHVTIDTLK GVKSCHTGINRTVGWNVPVGYLVESGRLSVMGCDVLKAVSDYFGGSCVPGA GETSYSESLCRLCRGDSSGEGVCDKSPLERYYDYSGAFRCLAEGAGDVAFVK HISTVLENTDGKTLPSWGQALLSQDFELLCRDGSRADVTEWRQCHLARVPAH AVVVRADTDGGLIFRLUNEGQRLFSHEGSSFQMFSSEAYGQKDLLFKDSTSEL VPIATQTYEAWLGHEYLHAMKGLLCDPNRLPPYLRWCVLSTPEIQKCGDMAV AFRRQRLKPEIQCVSAKSPQHOMERIQAEQVDAVTLSGEDIYTAGKTYGLVPA AGEHYAPEDSSNSYYVAVVRRDSSHAFTLDELRGKRSCHAGFGSPAGWDV PVGALIQRGFIRPKDCDVLTAVSEFFNASCVPVNNPKNYPSSLCALCVGDEQG RNKCVGNSQERYYGYRGAFRCLVENAGDVAFVRHTTVFDNTNGHNSEPWAA ELRSEDYELLCPNGARAEVSQFAACNLAQIPPHAVMVRPDTNIFTVYGLDKA QDLFGDDHNKNGFKMFDSSNYHGQDLLFKDATVRAVPVGEKTTYRGWLGLD YVAALEGMSSQQC Source Mammalian cell Target Names MELTF Expression Region 20-709aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.	Storage	storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12
Storage Buffer Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4	Uniprot No.	P08582
Product Type Recombinant Protein Immunogen Species Homo sapiens (Human) Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Human MELTF at 2 µg/mL can bind Anti-MELTF recombinant antibody (CSB-RA013754MA1HU). The EC50 is 0.3476-0.4529 ng/mL. Purity Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC. Sequence GMEVRWCATSDPEQHKCGNMSEAFREAGIQPSLLCVRGTSADHCVQLIAAQE ADAITLDGGAIYEAGKEHGLKPVVGEVYDQEVGTSYYAVAVVRRSSHVTIDTLK GVKSCHTGINRTVGWNVPVGYLVESGRLSVMGCDVLKAVSDYFGGSCVPGA GETSYSESLCRLCRGDSSGEGVCDKSPLERYYDYSGAFRCLAEGAGDVAFVK HSTVLENTDGKTLPSWGQALLSQDFELLCRDGSRADVTEWRQCHLARVPAH AVVVRADTDGGLIFRLLNEGGRLFSHEGSSFQMFSSEAYGGKDLLFKDSTSEL VPIATQTYEAWLGHEYLHAMKGLLCDPNRLPPYLRWCVLSTPEIQKCGDMAV AFRRQRLKPEIQCVSAKSPQHCMERIQAEQVDAVTLSGEDIYTAGKTYGLVPA AGEHYAPEDSSNSYYVVAVVRRDSSHAFTLDELRGKRSCHAGFGSPAGWDV PVGALIQRGFIRPKDCDVLTAVSEFFNASCVPVNNPKNYPSSLCALCVGDEQG RNKCVGNSQERYYGYRGAFRCLVENAGDVAFVRHTTVFDNTNGHNSEPWAA ELRSEDYELLCPNGARAEVSQFAACNLAQIPPHAVMVRPDTNIFTVYGLLDKA QDLFGDDHNKNGFKMFDSSNYHGQDLLFKDATVRAVPVGEKTTYRGWLGLD YVAALEGMSSQQC Source Mammalian cell Target Names MELTF Expression Region 20-709aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.	Form	Lyophilized powder
Immunogen Species Homo sapiens (Human) Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Human MELTF at 2 μg/mL can bind Anti-MELTF recombinant antibody (CSB-RA013754MA1HU). The EC50 is 0.3476-0.4529 ng/mL. Purity Greater than 95% as determined by SDS-PAGE. Greater than 95% as determined by SEC-HPLC. Sequence GMEVRWCATSDPEQHKCGNMSEAFREAGIQPSLLCVRGTSADHCVQLIAAQE ADAITLDGGAIYEAGKEHGLKPVVGEVYDQEVGTSYYAVAVVRRSSHVTIDTLK GVKSCHTGINRTVGWNVPVGYLVESGRLSVMGCDVLKAVSDYFGGSCVPGA GETSYSESLCRLCRGDSSGEGVCDKSPLERYYDYSGAFRCLAEGAGDVAFVK HSTVLENTDGKTLPSWGQALLSQDFELLCRDGSRADVTEWRQCHLARVPAH AVVVRADTDGGLIFRLLNEGQRLFSHEGSSFQMFSSEAGYGKDLLFKDSTSEL VPIATQTYEAWLGHEYLHAMKGLLCDPNRLPPYLRWCVLSTPEIQKCGDMAV AFRRQRLKPEIQCVSAKSPQHCMERIQAEQVDAVTLSGEDIYTAGKTYGLVPA AGEHYAPEDSSNSYYVVAVVRRDSSHAFTLDELRGKRSCHAGFGSPAGWDV PVGALIQRGFIRPKDCDVLTAVSEFFNASCVPVNNPKNYPSSLCALCVGDEQG RNKCVGNSQERYYGYRGAFRCLVENAGDVAFVRHTTVFDNTNGHNSEPWAA ELRSEDYELLCPNGARAEVSQFAACNLAQIPPHAVMVRPDTNIFTVYGLLDKA QDLFGDDHHKNGFKMFDSSNYHGQDLLFKDATVRAVPVGEKTTYRGWLGLD YVAALEGMSSQQC Source Mammalian cell Target Names MELTF Expression Region 20-709aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.	Storage Buffer	Lyophilized from a 0.2 μm filtered PBS, 6% Trehalose, pH 7.4
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Expression Region 20-709aa Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.	Source	Mammalian cell
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4°C for up to one week.	Expression Region	20-709aa
Tag Info C-terminal 10xHis-tagged	Notes	
	Tag Info	C-terminal 10xHis-tagged











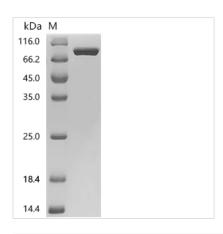
Mol. Weight

76.9 kDa

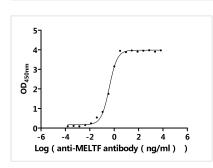
Protein Length

Full Length of Mature Protein of Isoform 1

Image

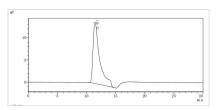


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity

Measured by its binding ability in a functional ELISA. Immobilized Human MELTF at 2 μg/ml can bind Anti-MELTF recombinant antibody (CSB-RA013754MA1HU). The EC $_{50}$ is 0.3476-0.4529 ng/mL.



The purity of MELTF was greater than 95% as determined by SEC-HPLC

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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