



Recombinant Mouse Enoyl-CoA hydratase, mitochondrial (Echs1) (C225S)

Product Code	CSB-BP804339MO(M)
Abbreviation	Recombinant Mouse Echs1 protein (C225S)
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.
Uniprot No.	Q8BH95
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	ASGANFQYIITEKKGKNSSVGLIQLNRPKALNALCNGLIEELNQALETFEQDPAV GAIVLTGGDKAFAAGADIKEMQNRTFQDCYSSKFLSHWDHITRVKKPVIAAVN GYALGGGCELAMMCDIYAGEKAQFGQPEILLGTIPGAGGTQRLTRAVGKSLA MEMVLTGDRISAQDAKQAGLVSKIFPVEKLVEEAIQSAEKIASNSKIVVAMAKES VNAAFEMTLTEGNKLEKRLFYSTFATDDRREGMTAFVEKRKANFKDH
Research Area	Cancer
Source	Baculovirus
Target Names	Echs1
Expression Region	28-290aa(C225S)
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal HA-tagged
Mol. Weight	32.0 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

Elevate your cancer research with our Recombinant Mouse Echs1, also known as the Enoyl-CoA hydratase, or mECH. This mitochondrial protein, produced using baculovirus, is an essential tool for understanding the complex metabolic pathways involved in cancer progression.

Our Echs1 is a full-length mature protein (28-290aa, C225S mutation), offering a comprehensive view of its function and structure. The dual-tag system - N-terminal 10xHis-tag and C-terminal HA-tag, ensures its efficient purification and increased stability. With a purity greater than 85% as determined by SDS-PAGE, our Recombinant Mouse Echs1 meets the high standards required for precise scientific exploration. Choose between the immediate readiness of a liquid form or the longevity of a lyophilized powder to best fit your research workflow.

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

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.