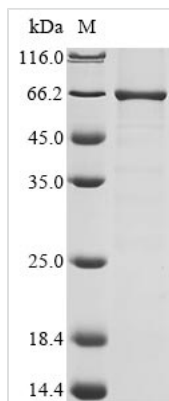




Recombinant Human Alpha-ketoglutarate-dependent dioxygenase FTO (FTO)

Product Code	CSB-EP880154HU
Abbreviation	Recombinant Human FTO protein
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.	Q9C0B1
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	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MKRTPTAEEEREREAKKLRLLEELEDTWLPYLTPKDDEFYQQWQLKYPKLILRE ASSVSEELHKEVQEAFLLHKGCLFRDLVRIQGKDLLTPVSRILIGNPGCTYK YLNTRLFTVPWPVKGSNIKHTAEIAAACETFLKLNDYLQIETIQALEELAAKEK ANEDAVPLCMSADFPVGMGSSYNGQDEVDIKSRAAYNVTLNFMDPQKMP YLKEEPYFGMGKMAVSWHHDENLVDRSAVAVSYSCEGPEEESEDDSHLEG RDPDIWHVGFKISWDIETPGLAIPHQQGDCYFMLDDLNATHQHCVLGASQPRF SSTHRVAECSTGTLDYILQRCQLALQNVCDVDNDVSLKSFEPAVLKQGEEI HNEVEFEWLRQFWFQGNRYRKCTDWWCQPMALWKKMEGVTNAVLH EVKREGLPVEQRNEILTALASLTARQNLRREWHARCQSRIARTLPADQKPEC RPYWEKD DAS MPLPFDLT DIVSELRGQLLEAKP
Research Area	Cardiovascular
Source	E.coli
Target Names	FTO
Expression Region	1-505aa
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 Myc-tagged
Mol. Weight	65.7 kDa
Protein Length	Full Length
Image	



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

Description

The production of recombinant Human FTO protein in e.coli cells is a multi-step process, including constructing the expression vector coding for the Human FTO protein (1-505aa), transforming the recombinant vector into e.coli cells, selecting the cells that containing the vector and cultivating them, performing cell lysis, collecting the protein, and characterizing the protein. The resulting recombinant Human FTO protein is purified from the cell lysate through affinity purification, and its purity, determined by SDS-PAGE, is greater than 85%.

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.