

Product datasheet for **TP315889**

FTO (NM_001080432) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human fat mass and obesity associated (FTO), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215889 representing NM_001080432 Red =Cloning site Green =Tags(s)
	<p>MKRTPTAEEREREAKKLRLLEELEDTWLPLYLTPKDDDEFYQQWQLKYPKLILREASSVSEELHKEVQEAF TLHKHGCLFRDLVRIQGKDLLTPVSRILIGNPGCTYKYLNTRLFTVPWPVKGSNIKHTEAEIAAACETFL KLNDYLQIETIQALEELAAKEKANEDAVPLCMSADFPVGMGSSYNGQDEVDIKSRAAYNVTLNFMDPQ KMPYLKEEYFGMGKMAVSWHHDENLVDRSAVAVSYSCEGPEEESDDSHLEGRDPDIWHVGFKISWDI ETPGLAIPLHQGDCYFMLDDLNATHQHCVLAGSQPRFSSTHRVAECSTGTLDYILQRCQLALQNVCDVD NDDVSLKSFEPAVLKQGEEIHNEVEFEWLRQFWFQGNRYRKTDWWCQPMALQLEALWKKMEGVTNAVLHE VKREGLPVEQRNEILTALASLTARQNLRRWHARCQSRIARTLPADQKPECRPYWEKDDASMLPFDLT DIVSELRGQLLEAKP</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	58.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001073901](#)

Locus ID: 79068

UniProt ID: [Q9COB1](#), [B3KU60](#), [Q99770](#)

RefSeq Size: 4294

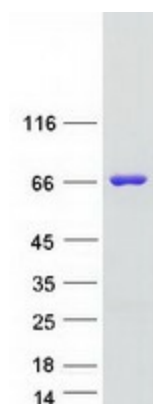
Cytogenetics: 16q12.2

RefSeq ORF: 1515

Synonyms: ALKBH9; BMIQ14; GDFD

Summary: This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes. [provided by RefSeq, Jul 2011]

Product images:



Coomassie blue staining of purified FTO protein (Cat# TP315889). The protein was produced from HEK293T cells transfected with FTO cDNA clone (Cat# [RC215889]) using MegaTran 2.0 (Cat# [TT210002]).