

Recombinant Full Length Human FTO Protein, GST-tagged

Cat. No. FTO-170HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FTO full-length ORF (AAH01284.1, 1 a.a. - 139 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1 a.a. - 139 a.a.
Description	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.
Molecular Mass	41.8 kDa
AA Sequence	MGHPRAIQPS VFFSPYDVHF LLYPIRCPYL KIGRFHIKLLK GLHFLFSFLF FFFETQSHSV TRLECSGTIS AHCNLCPLGS SNPASASQV AGTTGTCHHA QLIFVFLAEM GFHHIGQDGL DLNLVIHPPR SPKALGLQA
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name FTO fat mass and obesity associated [Homo sapiens (human)]

Official Symbol FTO

Synonyms FTO; ALKBH9; fat mass and obesity associated; alpha-ketoglutarate-dependent dioxygenase FTO; protein fto; AlkB homolog 9; fat mass and obesity-associated protein

Gene ID 79068

mRNA Refseq NM_001080432

Protein Refseq NP_001073901

MIM 610966

UniProt ID Q9C0B1

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