

Recombinant Human FTO protein, His-tagged

Cat. No. FTO-28954TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FTO(aa 2-505) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-505 a.a.
Form	Liquid. 0.2µm-filtered solution in 55mM TRIS-Cl, pH 8.2, containing 150mM NaCl.
Molecular Mass	~65kDa (SDS-PAGE)
Endotoxin	<1EU/µg purified protein (LAL test; Lonza).
Purity	≥90% (SDS-PAGE)
Stability	After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Storage	Short Term Storage: +4 centigradeLong Term Storage: -20 centigrade
Concentration	0.2mg/ml

GENE INFORMATION

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Gene Name	FTO fat mass and obesity associated [Homo sapiens]
Official Symbol	FTO
Synonyms	FTO; fat mass and obesity associated; alpha-ketoglutarate-dependent dioxygenase FTO; KIAA1752; MGC5149; protein fto; fat mass and obesity-associated protein;
Gene ID	79068
mRNA Refseq	NM_001080432
Protein Refseq	NP_001073901
MIM	610966
UniProt ID	Q9C0B1
Chromosome Location	16q12.2
Function	DNA-N1-methyladenine dioxygenase activity; ferrous iron binding; metal ion binding; oxidative DNA demethylase activity; oxidative RNA demethylase activity; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen;