

Recombinant Mouse Fat Mass And Obesity Associated, His-tagged

Cat. No. Fto-2127M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fat Mass And Obesity Associated was expressed in E. coli. The mature peptide of mouse FTO (aa 2-502) is fused at the N-terminus to a His-tag.
Species	Mouse
Source	E.coli
Protein Length	2-502 a.a.
Description	The FTO (fat mass and obesity-associated) gene is well conserved and found in a single copy in vertebrate species. It is suggested that the FTO protein plays a role in fat cell lipolysis, which may be important in explaining why the FTO gene (and FTO gene variants) is implicated in body weight regulation.
Purity	≥95% (SDS-PAGE). Purified by Ni-NTA column and FPLC (Mono Q column).
Formulation	Liquid. 0.2µm-filtered solution in 50mM TRIS-Cl, pH 8.2, containing 150mM sodium chloride.
Concentration	~0.5mg/ml.
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.

GENE INFORMATION

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Gene Name	Fto fat mass and obesity associated [Mus musculus]
Synonyms	Fto; fat mass and obesity associated; AW743446; mKIAA1752; protein fto; protein fatso; OTTMUSP00000031320; fat mass and obesity-associated protein
Gene ID	26383
mRNA Refseq	NM_011936
Protein Refseq	NP_036066
UniProt ID	Q8BGW1
Chromosome Location	8 C5; 8 41.9 cM
Function	DNA demethylase activity; molecular_function

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