

Recombinant Human FTO protein, GST-tagged

Cat. No. FTO-3628H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FTO protein(400-505 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	400-505 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	MAQLEALWKKMEGVTVNAVLHEVKREGLPVEQRNEILTALASLTARQNLRRREWHAR CQSRIARTLPADQKPECRPYWEKDDASMPPLPFDLTDIVSELRGQLLEAKP
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

storage.

GENE INFORMATION

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

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