

Recombinant Human FTO protein, His-tagged

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

SPECIFICATION

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| 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 centigrade Long Term Storage: -20 centigrade |
| Concentration | 0.2mg/ml |

GENE INFORMATION

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

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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; |

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