

FTO, human recombinant protein
Fat Mass and Obesity-associated Protein; FATSO.
Catalog # PBV11166r

Specification

FTO, human recombinant protein - Product info

Primary Accession	O9C0B1
Concentration	0.2
Calculated MW	~65 kDa (SDS-PAGE). Human FTO (aa 2-505) is fused at the N-terminus to a His-tag. kDa

FTO, human recombinant protein - Additional Info

Gene ID	79068
Gene Symbol	FTO
Other Names	
Fat Mass and Obesity-associated Protein; FATSO.	
Gene Source	Human
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Target/Specificity	
FTO	

Format

Liquid

Storage

-20°C; 0.2 mg/ml of 0.2 µm-filtered solution in 55 mM Tris-Cl, pH 8.2 containing 150 mM NaCl.

FTO, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FTO, human recombinant protein - Images

FTO, human recombinant protein - Background

FTO (Fat mass-and obesity-associated gene) is the responsible gene for mouse 'fused toes' mutation. An association between FTO genotype and type 2 diabetes has been confirmed. The presence of the FTO rs9939609 A-allele was found to be positively correlated with other symptoms of the metabolic syndrome, including higher fasting insulin, glucose, triglycerides, and lower HDL-cholesterol.

FTO, human recombinant protein - References

Nagase T.,et al.DNA Res. 7:347-355(2000).
Martin J.,et al.Nature 432:988-994(2004).
Dina C.,et al.Nat. Genet. 39:724-726(2007).
Frayling T.M.,et al.Science 316:889-894(2007).
Jia G.,et al.FEBS Lett. 582:3313-3319(2008).