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FTO, mouse recombinant protein

Fat Mass and Obesity-associated Protein; FATSO.
Catalog # PBV11167r

Specification

FTO, mouse recombinant protein - Product info

Primary Accession	Q8BGW1
Concentration	0.5
Calculated MW	~55 kDa (SDS-PAGE). Mouse FTO (aa 2-502) is fused at the N-terminus to a His-tag. KDa

FTO, mouse recombinant protein - Additional Info

Gene ID	26383
Gene Symbol	FTO

Other Names
Fat Mass and Obesity-associated Protein; FATSO.

Gene Source	Mouse
Source	E. coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes

Target/Specificity
FTO

Format
Liquid

Storage
-20°C; 0.5 mg/ml of 0.2 µm-filtered solution in 55 mM Tris-Cl, pH 8.2 containing 150 mM NaCl.

FTO, mouse 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 Cytomety
- Cell Culture

FTO, mouse recombinant protein - Images

FTO, mouse 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, mouse recombinant protein - References

Peters T.,et al.Mamm. Genome 10:983-986(1999).
Okazaki N.,et al.DNA Res. 10:167-180(2003).
Carninci P.,et al.Science 309:1559-1563(2005).
Gerken T.,et al.Science 318:1469-1472(2007).
Jia G.,et al.FEBS Lett. 582:3313-3319(2008).