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Datasheet for ABIN1344349

FTO Protein (AA 2-505) (His tag)

Overview

Quantity:	10 µg
Target:	FTO
Protein Characteristics:	AA 2-505
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FTO protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human FTO (aa 2-505) is fused at the N-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FTO
Alternative Name:	FTO (FTO Products)
Background:	FTO (Fat mass-and obesity-associated gene) is the responsible gene for mouse 'fused toes'

Target Details

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.

Molecular Weight: ~65kDa (SDS-PAGE)

UniProt: [Q9C0B1](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in 55 mM TRIS-Cl, pH 8.2, containing 150 mM NaCl.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 3 months