

Datasheet for ABIN7596452

SUMF1 Protein (AA 34-374) (His tag)[Go to Product page](#)

Overview

Quantity:	250 µg
Target:	SUMF1
Protein Characteristics:	AA 34-374
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SUMF1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	SQEAGTGAGA GSLAGSCGCG TPQRPGAHGS SAAAHRYSTRE ANAPGPVPG E RQLAHSKMVP IPAGVFTMGT DDPQIKQDGE APARRVTIDA FYMDAYEVSN TEFEKFNST GYLTEAEKFG DSFVFEGMLS EQVKTNIQQA VAAAPWWLPV KGANWRHPEG PDSTILHRPD HPVLHVSWND AVAYCTWAGK RLPTEAEWEY SCRGG LHNRL FPWGNKLQPK GQHYANIWQG EFPVTNTGED GFQGTAPVDA FPPNGYGLYN IVGNAWEWTS DWWTVHHSVE ETLNPKGPPS GKDRVKKGGS YMCHRSYCYR YRCAARSQNT PDSSASNLGF RCAADRLPTM D
Purity:	> 85% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	SUMF1
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Target Details

Alternative Name:	Sulfatase Modifying Factor 1/SUMF1 (SUMF1 Products)
Background:	SUMF1, also known as sulfatase-modifying factor 1 isoform 1, is a Ca ²⁺ -binding member of the sulfatase-modifying factor family. This protein as soluble ER luminal glycoprotein converts inactive sulfatases into an active form by transforming a catalytic site cysteine into a formylglycine residue. In the ER, it can exist as either a monomer, or a disulfide-linked homodimer or a heterodimer with SUMF2. The genetic defect of FGly formation caused by mutations in the SUMF1 gene results in inactive FGE, and subsequently multiple sulfatase deficiency, a lysosomal storage disorder. Recombinant Human SUMF1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	38.1 kDa (347aa)
NCBI Accession:	NP_877437

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.