Recombinant Human SUMF1, His-tagged

Cat. No. SUMF1-30918TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SUMF1 with an N terminal His tag; 304aa, 34.1kDa.
Species	Human
Source	E.coli
ProteinLength	284 amino acids
Description	This gene encodes an enzyme that catalyzes the hydrolysis of sulfate esters by oxidizing a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue, which is also known as C-alpha-formylglycine. Mutations in this gene cause multiple sulfatase deficiency, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Molecular Weight	34.100kDa inclusive of tags
Tissue specificity	Ubiquitous. Highly expressed in kidney, pancreas and liver. Detected at lower levels in leukocytes, lung, placenta, small intestine, skeletal muscle and heart.
Form	Liquid
Purity	by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 20% Glycerol, 0.03% DTT, 12.01% Urea
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMVPIPAGVFTMGTDDPQIKQ DGEAPARRVTIDAFY MDAYEVSNTEFEKFVNSTGYLTEAE KFGDSFVFEGMLSEQVKTNIQQAVAAAPWW LPVKGANWRH PEGPDSTILHRPDHPVLHVSWNDAVAYCTWAGKRLPTEAE WEYS CRGGLHNRLFPWGNKLQPKGQHYANIWQGEFPVTNT GEDGFQGTAPVDAFPPNG YGLYNIVGNAWEWTSDWWTVHH SVEETLNPKGPPSGKDRVKKGGSYMCHRSYC YRYRCAARS QNTPDSSASNLGFRCAADRLPTMD
Sequence Similarities	Belongs to the sulfatase-modifying factor family.

GENE INFORMATION

Gene Name	SUMF1 sulfatase modifying factor 1 [Homo sapiens]
Official Symbol	SUMF1
Synonyms	SUMF1; sulfatase modifying factor 1; sulfatase-modifying factor 1; FGE; UNQ3037;
Gene ID	285362
mRNA Refseq	NM_182760
Protein Refseq	NP_877437
MIM	607939

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Uniprot ID	Q8NBK3
Chromosome Location	3p26.1
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	binding; metal ion binding; oxidoreductase activity; protein homodimerization activity;

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