

Recombinant Full Length Human SUMF1 Protein, C-Flag-tagged

Cat. No. SUMF1-414HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SUMF1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.3 kDa
AA Sequence	MAAPALGLVCGRCPELGLVLLLLLLSLLCGAAGSQEAGTGAGAGSLAGSCGCGTPQ RPGAHGSSAAAHRY SREANAPGPVPPERQLAHSKMVPIAGVFTMGTDDPQIKQD GEAPARRVTIDAFYMDAYEVSNTFEKFKV NSTGYLTEAEKFGDSFVFEGMLSEQVK TNIQQAVAAAPWWLPVKGANWRHPEGPDSTILHRPDHPVLHVS WNDAYAYCTWA GKRLPTEAEWEYSCRGGLHNRLFPWGNKLQPKGQHYANIWQGEFPVTNTGEDGF QGTAP VDAFPNGYGLYNIVGNAWEWTSDDWTVHHSVEETLNPKGPPSGKDRVK KGGSYMCHRSYCYRYRCAARS

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	QNTPDSSASNLGFRCAADRLPTMDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	SUMF1 sulfatase modifying factor 1 [Homo sapiens (human)]
Official Symbol	SUMF1
Synonyms	FGE; UNQ3037; AAPA3037
Gene ID	285362
mRNA Refseq	NM_182760.4
Protein Refseq	NP_877437.2
MIM	607939

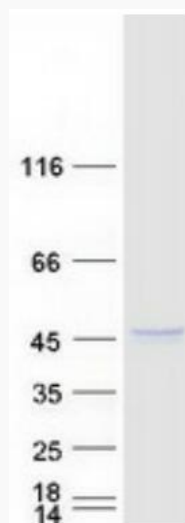
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UniProt ID

Q8NBK3



Coomassie blue staining of purified SUMF1 protein.

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