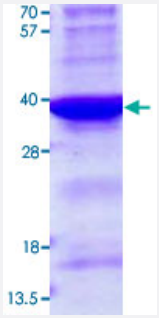
SUMF1 (Human) Recombinant Protein

Catalog # P4323 Size 50 ug

Applications



Specification

Product Description	Human SUMF1 (NP_877437, 91 a.a. - 374 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMVPIPAGVFTMGTDDPQIKQDGEAPARRVTIDAFYMDAYEVSNT EFEKFVNSTGYLTEAEKFGDSFVFEGmLSEQVKTNIQQAVAAAPWWLPVKGANWRHPEGPDSTI LHRPDHPVLHVSWNDAVAYCTWAGKRLPTEAEWEYSCRGGLHNRLFPWGNKLQPKGQHYANI WQGEFPVTNTGEDGFQGTAPVDAFPPNGYGLYNIVGNAWEWTSDWWTVHHSVEETLNPKGPP SGKDRVKKGGSYMCHRSYCYRYRCAARSQNTPDSSASNLGFRCAADRLPTMD
Host	Escherichia coli
Theoretical MW (kDa)	34.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Concentration	0.5 mg/mL
Purity	> 85% by SDS-PAGE
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (20% glycerol, 2 M urea, 2 mM DTT).

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Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — SUMF1

Entrez GeneID	285362
Protein Accession#	NP_877437
Gene Name	SUMF1
Gene Alias	AAPA3037, FGE, MGC131853, MGC150436
Gene Description	sulfatase modifying factor 1
Omim ID	272200 607939
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	C-alpha-formylglycine-generating enzyme|OTTHUMP00000115300

Disease

- Multiple Sclerosis

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