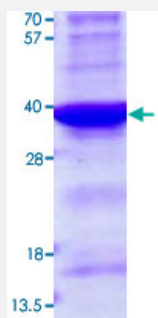


SUMF1 (Human) Recombinant Protein

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

MGSSHHHHHHSSGLVPRGSHMVIPAGVFTMGTDDPQIKQDGEAPARRVTIDAFYMDAYEVSNT
EFEKFNSTGYL TEAEKFGDSFVFEGmLSEQVKTNQQAVAAAPWWLPVKGANWRHPEGPDSTI
LHRPDHPVLHVS WNDAVAYCTWAGKRLPTEAEWEYSCRGGLHNRLFPWGNKLQPKGQHYANI
WQGEFPVTNTGEDGFQGTAPVDAFPNGYGLYNVGNWEWTSDDWWTVHHSVEETLNPKGPP
SGKDRVKKGGSYMCHRSYCYRCAARSQNTPDSSASNLGFRCAADRLPTMD

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).

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](#)