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Product datasheet for AR50126PU-N

SUMF1 / FGE (91-374, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SUMF1 / FGE (91-374, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MVPIPAGVFT MGTDDPQIKQ DGEAPARRVT IDAFYMDAYE VSNTEFEKFV NSTGYLTEAE KFGDSFVFEG MLSEQVKTNI QQAVAAAPWW LPVKGANWRH PEGPDSTILH RPDHPVLHVS WNDAVAYCTW AGKRLPTEAE WEYSCRGGLH NRLFPWGNKL QPKGQHYANI WQGEFPVTNT GEDGFQGTAP VDAFPPNGYG LYNIVGNAWE WTSDWWTVHH SVEETLNPKG PPSGKDRVKK GGSYMCHRSY CYRYRCAARS QNTPDSSASN LGFRCAADRL PTMD
Tag:	His-tag
Predicted MW:	34.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl, pH 8.0, 2M Urea, 20% Glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SUMF1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001158146
Locus ID:	285362
UniProt ID:	Q8NBK3
Cytogenetics:	3p26.1
Synonyms:	AAPA3037; FGE; UNQ3037

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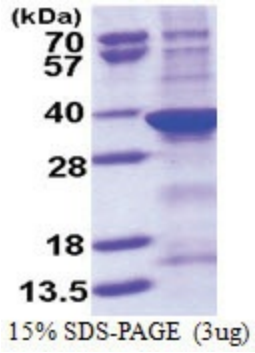
Summary: This gene encodes an enzyme that catalyzes the hydrolysis of sulfate esters by oxidizing a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue, which is also known as C-alpha-formylglycine. Mutations in this gene cause multiple sulfatase deficiency, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

Product images:



15% SDS-PAGE (3ug)