

Product datasheet for PH311092

SUMF1 (NM_182760) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SUMF1 MS Standard C13 and N15-labeled recombinant protein (NP_877437)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211092
Predicted MW:	40.6 kDa
Protein Sequence:	>RC211092 protein sequence Red=Cloning site Green=Tags(s) MAAPALGLVCGRCPGLVLLLLLLLLSLLCGAAGSQEAGTGAGAGSLAGSCGCGTPQRPGAHGSSAAAHRY SREANAPGVPGERQLAHSKMVPIPAGVFTMGTDQPQIKQDGEAPARRVTIDAFYMDAYEVSNTFEKQV NSTGYL TEAEKFGDSFVFEGMLSEQVKTNIQQAVAAAPWWLPVKGANWRHPEGPDSTILHRPDHPVLHVS WNDAYAYCTWAGKRLPTEAEWEYSCRGLHNRLFPGWGNLQPKGQHYANIWQGEFPVTNTGEDGFQGTAP VDAFPNGYGLYNI VGNWAWTSDWWTVHHSVEETLNPKGPPSGKDRVKKGGSYMCHRSYRYRCAARS QNTPDSSASNLGFRCAADRLPTMD TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_877437
RefSeq Size:	2179
RefSeq ORF:	1122
Synonyms:	AAPA3037; FGE; UNQ3037
Locus ID:	285362



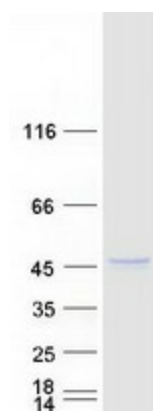
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UniProt ID: [Q8NBK3](#)

Cytogenetics: 3p26.1

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:



Coomassie blue staining of purified SUMF1 protein (Cat# [TP311092]). The protein was produced from HEK293T cells transfected with SUMF1 cDNA clone (Cat# [RC211092]) using MegaTran 2.0 (Cat# [TT210002]).