

Recombinant Human SUMF2 protein, MYC/DDK-tagged

Cat. No. SUMF2-35H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMF2, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
Description	The catalytic sites of sulfatases are only active if they contain a unique amino acid, C-alpha-formylglycine (FGly). The FGly residue is posttranslationally generated from a cysteine by enzymes with FGly-generating activity. The gene described in this record is a member of the sulfatase-modifying factor family and encodes a protein with a DUF323 domain that localizes to the lumen of the endoplasmic reticulum. This protein has low levels of FGly-generating activity but can heterodimerize with another family member - a protein with high levels of FGly-generating activity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name SUMF2 sulfatase modifying factor 2 [Homo sapiens]

Official Symbol SUMF2

Synonyms

SUMF2; sulfatase modifying factor 2; sulfatase-modifying factor 2; DKFZp566I1024; C-alpha-formylglycine-generating enzyme 2; C-alpha-formylglycine-generating enzyme 2; paralog of the formylglycine-generating enzyme; pFGE; MGC99485; DKFZp686I1024; DKFZp781L1035; DKFZp686L17160;

Gene ID 25870

mRNA Refseq NM_015411

Protein Refseq NP_056226

MIM 607940

UniProt ID Q8NBJ7

Chromosome Location 7q11.1

Function binding; metal ion binding;

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