

## Recombinant Human SUMF2 protein, MYC/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SUMF2, transcript variant 2, fused with MYC/DDK tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	31.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Notes</b>	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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