

## Recombinant Human SUMF2 protein, GST-tagged

Cat. No. SUMF2-33H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SUMF2(26 a.a. - 125 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	26 a.a. - 125 a.a.
<b>Description</b>	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.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	36.74 kDa
<b>AA Sequence</b>	QATSMVQLQGGRFLMGTNSPDSRDGEGPVREATVKPFAIDIFPVTNKDFRDFVREK KYRTEAEMFGWSFVFEDFVSDELRNKATQPMKSVLWWLPVEKAF

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SUMF2 sulfatase modifying factor 2 [ Homo sapiens ]
<b>Official Symbol</b>	SUMF2
<b>Synonyms</b>	SUMF2; sulfatase modifying factor 2; sulfatase-modifying factor 2; DKFZp566l1024; C-alpha-formylglycine-generating enzyme 2; C-alpha-formylglycine-generating enzyme 2; paralog of the formylglycine-generating enzyme; pFGE; MGC99485; DKFZp686l1024; DKFZp781L1035; DKFZp686L17160;
<b>Gene ID</b>	25870
<b>mRNA Refseq</b>	NM_015411
<b>Protein Refseq</b>	NP_056226
<b>MIM</b>	607940
<b>UniProt ID</b>	Q8NBJ7
<b>Chromosome Location</b>	7q11.1
<b>Function</b>	binding; metal ion binding;

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