

Recombinant Human SUMF2 protein, GST-tagged

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

SPECIFICATION

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

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	SUMF2 sulfatase modifying factor 2 [Homo sapiens]
Official Symbol	SUMF2
Synonyms	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;
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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