



# Recombinant Human Sulfatase-modifying factor 2 (SUMF2)

<b>Product Code</b>	CSB-EP839844HU-B
<b>Abbreviation</b>	SUMF2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8NBJ7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	QATSM VQLQGGRFLM GTNSPDSRDG DGPVREATVK PFAIDIFPVT NKDFRDFVRE KKYRTEAEMF GWSFVFEDFV SDELRNKATQ PMKSVLWWLP VEKAFWRQPA GPGSGIRERL EHPVLHVSWN DARAYCAWRG KRLPTEEEWE FAARGGLKGQ VYPWGNWFQP NRTNLWQGKF PKGDKAEDGF HGVSPVNAFP AQNNYGLYDL LGNVWEWTAS PYQAAEQDMR VLRGASWIDT ADGSANHRAR VTTRMGNTPD SASDNLGFRC AADAGRPPGE L
<b>Source</b>	E.coli
<b>Target Names</b>	SUMF2
<b>Protein Names</b>	Recommended name: Sulfatase-modifying factor 2 Alternative name(s): C-alpha-formylglycine-generating enzyme 2
<b>Expression Region</b>	26-301
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</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>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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