Recombinant Human Sulfatase-modifying factor 2 (SUMF2)

Product Code	CSB-EP839844HU
Abbreviation	SUMF2
Storage	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.
Uniprot No.	Q8NBJ7
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	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
Source	E.coli
Target Names	SUMF2
Protein Names	Recommended name: Sulfatase-modifying factor 2 Alternative name(s): C-alpha-formylglycine-generating enzyme 2
Expression Region	26-301
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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	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.