



Recombinant Human Sulfatase-modifying factor 1 (SUMF1)

Product Code	CSB-EP822751HU-B
Abbreviation	SUMF1
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.	Q8NBK3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	SQEAGTG AGAGSLAGSC GCGTPQRPGA HGSSAAAHRY SREANAPGPV PGERQLAHSK MVPIPAQVFT MGTDDPQIKQ DGEAPARRVT IDAFYMDAYE VSNTEFEKQV NSTGYLTEAE KFGDSFVFEG MLSEQVKTNQ QQAVAAAPWW LPVKGANWRH PEGPDSTILH RPDHPVLHVS WNDAYAYCTW AGKRLPTEAE WEYSCRGGLH NRLFPWGNKL QPKGQHYANI WQGEFPVTNT GEDGFQGTAP VDAFPNGYG LYNIVGNAWE WTSDWWTVHH SVEETLNPKG PPSGKDRVKK GGSYMCHRSY CYRYRCAARS QNTPDSSASN LGFRCAADRL PTMD
Source	E.coli
Target Names	SUMF1
Protein Names	Recommended name: Sulfatase-modifying factor 1 EC= 1.8.99.- Alternative name(s): C-alpha-formylglycine-generating enzyme 1
Expression Region	34-374
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	This gene encodes an enzyme that catalyzes the hydrolysis of sulfate esters by oxidizing a cysteine residue in the substrate sulfatase to an active site 3-oxoalanine residue, which is also known as C-alpha-formylglycine. Mutations in this gene cause multiple sulfatase deficiency, a lysosomal storage disorder. Alternative splicing results in multiple transcript variants.
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

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