

## Recombinant Human SUMF1 Protein (His Tag)

**Catalog No.** PKSH033084

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

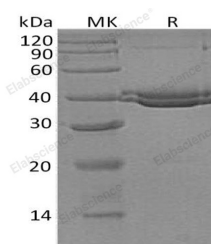
### Description

<b>Synonyms</b>	Sulfatase-Modifying Factor 1;C-Alpha-Formylglycine-Generating Enzyme 1;SUMF1;FGE
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ser34-Asp374
<b>Accession</b>	Q8NBK3
<b>Calculated Molecular Weight</b>	38.4 kDa
<b>Observed molecular weight</b>	38-42 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 2mM CaCl <sub>2</sub> , 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Human Sulfatase Modifying Factor 1 (SUMF1) is a 42kDa protein. SUMF1 is a Ca<sup>2+</sup>-binding member of the sulfatase-modifying factor family. SUMF1 is a soluble ER luminal glycoprotein, it converts inactive sulfatases into an active form by transforming a catalytic site cysteine into a formylglycine residue. In the ER, SUMF1 can exist as either a monomer, or a disulfide-linked homodimer or a heterodimer with SUMF2. Three splice isoforms are known.

### For Research Use Only