

**Recombinant Human Sulfatase Modifying Factor 1/SUMF1 Protein(C-6His)**

**Cat.NO.: TP05686**

3th Edition

**Synonyms:**Sulfatase-Modifying Factor 1; C-Alpha-Formylglycine-Generating Enzyme 1; SUMF1; FGE

**Description:**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.

**Form:**PBS

**Molecular Weight:**38.3 kDa

**Sequences:**Ser34-Asp374

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.