

## 32-7454: Recombinant Human Sulfatase Modifying Factor 1/SUMF1 (C-6His)

**Gene :** SUMF1  
**Gene ID :** 285362  
**Uniprot ID :** Q8NBK3

### Description

Source: Human Cells.  
MW :38.27kD.

Recombinant Human SUMF1 is produced by our Mammalian expression system and the target gene encoding Ser34-Asp374 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 2mM CaCl<sub>2</sub>, 10% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** SQEAGTGAGAGSLAGSCGCGTPQRPGAHGSSAAAHRYSSREANAPGPVPPERQLAHSKMVPIAGVFTMGTD  
DPQIKQDGEAPARRVTIDAFYMDAYEVSNTFEKFNSTGYL TEAEKFGDSFVFEGMLSEQVKTNIQAVAAAP  
WWLPVKGANWRHPEGPDSTILHRPDHPVLHVSWNDAYAYCTWAGKRLPTEAEWEYSCRGGLHNRLFPWGN  
KLQPKGQHYANIWQGEFPVTNTGEDGFQGTAPVDAFPNGYGLYNIVGNAWEWTSDDWWTVHHSVEETLNPK  
GPPSGKDRVKKGGSYMCHRSYCYRYRCAARSQNTDPSSASNLGFRCAADRLPTMDVDHSHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.