

**Product Name: Recombinant Human SUMF1 (C-6His)**  
**Catalog #: PHH1579**



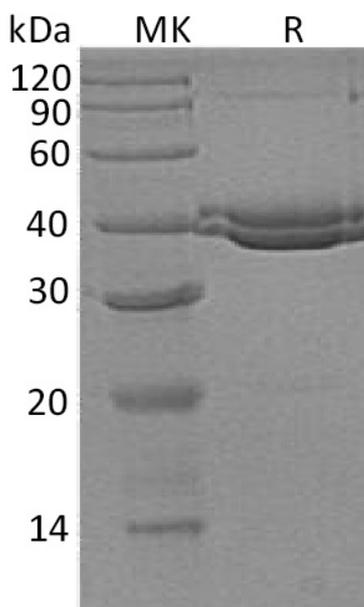
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## Summary

<b>Name</b>	Sulfatase Modifying Factor 1/SUMF1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Sulfatase Modifying Factor 1 is produced by our Mammalian expression system and the target gene encoding Ser34-Asp374 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q8NBK3
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	38.4 KDa
<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>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image

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### **Alternative Names**

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

### **Background**

Human Sulfatase Modifying Factor 1 (SUMF1) is a 42kDa protein. SUMF1 is a  $\text{Ca}^{2+}$ -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.

### **Note**

For Research Use Only , Not for Diagnostic Use.