

## Recombinant Human SUMO4 Protein, His-tagged

Cat. No. SUMO4-3015H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SUMO4 protein, fused to His-tagged at N-terminus, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	This gene is a member of the SUMO gene family. This family of genes encode small ubiquitin-related modifiers that are attached to proteins and control the target proteins' subcellular localization, stability, or activity. The protein described in this record is located in the cytoplasm and specifically modifies IKBA, leading to negative regulation of NF-kappa-B-dependent transcription of the IL12B gene. A specific polymorphism in this SUMO gene, which leads to the M55V substitution, has been associated with type I diabetes. The RefSeq contains this polymorphism.
<b>Form</b>	50 mM Tris, pH 8.0, 8 M Urea.
<b>Molecular Mass</b>	10.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	SUMO4 SMT3 suppressor of mif two 3 homolog 4 ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	SUMO4
<b>Synonyms</b>	dJ281H8.4; IDDM5; SMT3H4; SUMO-4
<b>Gene ID</b>	387082
<b>mRNA Refseq</b>	NM_001002255
<b>Protein Refseq</b>	NP_001002255
<b>MIM</b>	608829
<b>UniProt ID</b>	Q6EEV6

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