

## Recombinant Human SMURF2 Protein (S2-E748), His tagged

Cat. No. SMURF2-0440H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human 6His-TEV-(GG)-SMURF2(S2-E748 end) Protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	S2-E748
<b>Description</b>	<p>E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Interacts with SMAD7 to trigger SMAD7-mediated transforming growth factor beta/TGF-beta receptor ubiquitin-dependent degradation, thereby down-regulating TGF-beta signaling. In addition, interaction with SMAD7 activates autocatalytic degradation, which is prevented by interaction with AIMP1. Also forms a stable complex with TGF-beta receptor-mediated phosphorylated SMAD1, SMAD2 and SMAD3, and targets SMAD1 and SMAD2 for ubiquitination and proteasome-mediated degradation. SMAD2 may recruit substrates, such as SNON, for ubiquitin-dependent degradation. Negatively regulates TGFB1-induced epithelial-mesenchymal transition and myofibroblast differentiation.</p>
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	SMURF2 SMAD specific E3 ubiquitin protein ligase 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SMURF2
<b>Synonyms</b>	SMURF2; SMAD specific E3 ubiquitin protein ligase 2; E3 ubiquitin-protein ligase SMURF2; hSMURF2; E3 ubiquitin ligase SMURF2; SMAD ubiquitination regulatory factor 2; SMAD-specific E3 ubiquitin-protein ligase 2; MGC138150; DKFZp686F0270;
<b>Gene ID</b>	64750
<b>mRNA Refseq</b>	NM_022739
<b>Protein Refseq</b>	NP_073576
<b>MIM</b>	605532
<b>UniProt ID</b>	Q9HAU4

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA