

Recombinant Mouse Smurf1 Protein, Myc/DDK-tagged

Cat. No. Smurf1-5984M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SMAD specific E3 ubiquitin protein ligase 1 (Smurf1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E3 ubiquitin-protein ligase that acts as a negative regulator of BMP signaling pathway. Mediates ubiquitination and degradation of SMAD1 and SMAD5, 2 receptor-regulated SMADs specific for the BMP pathway. Promotes ubiquitination and subsequent proteasomal degradation of TRAF family members and RHOA. Promotes ubiquitination and subsequent proteasomal degradation of MAVS. Plays a role in dendrite formation by melanocytes.
Molecular Mass	83.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Smurf1 SMAD specific E3 ubiquitin protein ligase 1 [Mus musculus (house mouse)]

Official Symbol Smurf1

Synonyms SMURF1; SMAD specific E3 ubiquitin protein ligase 1; E3 ubiquitin-protein ligase SMURF1; Smad ubiquitination regulatory factor 1; SMAD-specific E3 ubiquitin-protein ligase 1; mKIAA1625; 4930431E10Rik

Gene ID 75788

mRNA Refseq NM_029438

Protein Refseq NP_083714

UniProt ID Q9CUN6

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