

Recombinant Human SMURF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMURF1-1344H Lot. No. (See product label)

SPECIFICATION

Product Overview	SMURF1 MS Standard C13 and N15-labeled recombinant protein (NP_851994) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a ubiquitin ligase that is specific for receptor-regulated SMAD proteins in the bone morphogenetic protein (BMP) pathway. This protein plays a key roll in the regulation of cell motility, cell signalling, and cell polarity. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	83.3 kDa
AA Sequence	<p>MSNPGTRRNGSSIKIRLTVLCAKNLAKKDFFRLPDPFAKIVVDGSGQCHSTDTVKNT LDPKWNQHYDLYVGKTDSTITISVWNHKKIHKKQGAGFLGCVRLLSNAISRLKDTGYQ RLDLCKLNPSDTPDAVRGQIVVSLQTRDRIGTGGSVVDRCRGLLENEGTVYEDSGPGR PLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQRLRNPDRVGRSLQTPQ NRPHGHQSPPELPEGYEQRTTVQGQVYFLHTQTGVSTWHDPRIIPRDLNSVNCDELG PLPPGWEVRSTVSGRIYFVDHNNRTTQFTDPRLLHIMNHQCQLKEPSQPLPLPSEG SLEDEELPAQRYERDLVQKLKVLRLHELSQLQPQAGHCRIEVSREEIFEESYRQIMKM RPKDLKKRLMVKFRGEEGLDYGGVAREWLYLLCHEMLNPYYGLFQYSTDNIYMLQI NPDSSINPDHLSYFHFVGRIMGLAVFHGHYINGGFTVPFYKQLLGKPIQLSDLESVDP</p>

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ELHKSLVWILENDITPVLDHTFCVEHNAFGRILQHELKPNGRNVPVTEENKKEYVRLY
 VNWRFMRGIEAQFLALQKGFNELIPQHLLKPFQKELELIIGGLDKIDLNDWKSNTL
 KHCVADSNIVRWFQAVETFDEERRARLLQFVTGSTRVPLQGFKALQGSTGAAGP
 RLFTIHLIDANTDNLPAHTCFNRIDIPPYESYEKLYEKLLTAVEETCGFAVETRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SMURF1 SMAD specific E3 ubiquitin protein ligase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [SMURF1](#)

Synonyms SMURF1; SMAD specific E3 ubiquitin protein ligase 1; E3 ubiquitin-protein ligase SMURF1; KIAA1625; hSMURF1; E3 ubiquitin ligase SMURF1; Smad-specific E3 ubiquitin ligase 1; Smad ubiquitination regulatory factor 1; SMAD-specific E3 ubiquitin-protein ligase 1;

Gene ID [57154](#)

mRNA Refseq [NM_181349](#)

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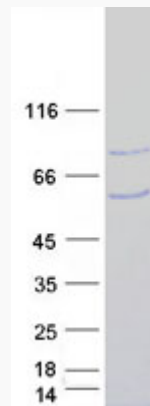
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Protein Refseq NP_851994

MIM 605568

UniProt ID Q9HCE7

SDS-PAGE



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