

Product datasheet for **TP319536M**

SMURF1 (NM_181349) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human SMAD specific E3 ubiquitin protein ligase 1 (SMURF1), transcript variant 2, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC219536 representing NM_181349 Red =Cloning site Green =Tags(s) |

MSNPGTRRNGSSIKIRLTVLCAKNLAKKDFRLLPDPFAKIVVDGSGQCHSTDTVKNTLDPKWNQHYDLVY
GKTDSITISVWNHKKIHKKQGAGFLGCVRLLSNAISRLKDTGYQLDLCKLNPSDTPDAVRGQIVVSLQTR
DRIGTGGSVVDCRGLLENEGTVYEDSGPGRPLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQ
RLRNPDVRGSLQTPQNRPHGHQSPPELPEGYEQRTTVQGGVYFLHTQTGVSTWHDPRIPRDLNSVNCDELG
PLPPGWEVRSTVSGRIYFVDHNNRTTQFTDPRLLHHIMNHQCQLKEPSQPLPSEGSLEDEELPAQRYER
DLVQKLVLRHELSQLQPPQAGHCRIEVSREEIFEESYRQIMKMRPKDLKRLMVKFRGEEGLDYGGVARE
WLYLLCHEMLNPYYGLFQYSTDNIMLQINPDSSINPDHLSYFHFVGRIMGLAVFHGHYINGGFTVPFYK
QLLGKPIQLSDLESVDPELHKSLVWILENDITPVLDTFCVEHNAFGRILQHELKPNGRNVPVTEENKKE
YVRLYVNWRFMRGIEAQFLALQKGFNELIPQHLLKPFQKELELIIGGLDKIDLNDWKSNTLRLKHCVADS
NIVRWFVQAVETFDEERRARLLQFVTGSTRVPLQGFKALQGSTGAAGPRLFTIHLIDANTDNLPAHTCF
NRIDIPPYESYEKLYEKLLTAVEETCGFAVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

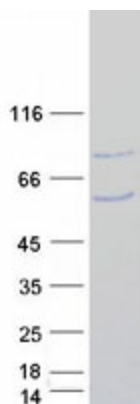
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 83.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |



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|--------------------------|---|
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_851994 |
| Locus ID: | 57154 |
| UniProt ID: | Q9HCE7 |
| RefSeq Size: | 5659 |
| Cytogenetics: | 7q22.1 |
| RefSeq ORF: | 2193 |
| Summary: | 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.[provided by RefSeq, Dec 2010] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Endocytosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis |

Product images:



Coomassie blue staining of purified SMURF1 protein (Cat# [TP319536]). The protein was produced from HEK293T cells transfected with SMURF1 cDNA clone (Cat# [RC219536]) using MegaTran 2.0 (Cat# [TT210002]).