

## Product datasheet for TP319536L

### SMURF1 (NM\_181349) Human Recombinant Protein

#### Product data:

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

MSNPGTRRNGSSIKIRLTVLCAKNLAKKDFRLLPDPFAKIVVDGSGQCHSTDTVKNLDPKWNQHYDLVY  
GKTDSITISVWNHKKIHKKQGAGFLGCVRLLSNAISRLKDTGYQLDLCKLNPSDTPDAVRGQIVSLQTR  
DRIGTGGSVVDCRGLLENEGTVYEDSGPGRPLSCFMEEPAPYTDSTGAAAGGGNCRFVESPSQDQRLQAQ  
RLRNPDVRLSLQTPQNRPHGHQSPPELPEGYEQRTTVQGGVYFLHTQTGVSTWHDPRIPRDLNSVNCDELG  
PLPPGWEVRSTVSGRIYFVDHNNRTTQFTDPRLLHHIMNHQCQLKEPSQPLPLPSEGSLEDEELPAQRYER  
DLVQKLVLRHELSQLQPPQAGHCRIEVSREEIFEESYRQIMKMRPKDLKRLMVKFRGEEGLDYGGVARE  
WLYLLCHEMLNPYYGLFQYSTDNIMLQINPDSSINPDHLSYFHFVGRIMGLAVFHGHYINGGFTVPFYK  
QLLGKPIQLSDLESVDPELHKSLVWILENDITPVLDTHTFCVEHNAFGRILQHELKPNGRNVPVTEENKKE  
YVRLVYVWRFMRGIEAQFLALQKGFNELIPQHLLKPFQKELELIIGGLDKIDLNDWKSNTLKHCVADS  
NIVRWFVQAVETFDEERRARLLQFVTGSTRVPLQGFKALQGSTGAAGPRLFTIHLIDANTDNLPKAHTCF  
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:	<a href="#">NP_851994</a>
Locus ID:	57154
UniProt ID:	<a href="#">Q9HCE7</a>
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]).