

## Product datasheet for **TP301021L**

### Suppressor of Fused (SUFU) (NM\_016169) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human suppressor of fused homolog (Drosophila) (SUFU), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201021 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MAELRPSGAPGPTAPPAGPTAPPAFASLFPPGLHAIYGECRRLYPDQPNPLQVTAIVKYWLGGPDPLDY VSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDGSPSGFGFELTFRLKRETGESAPPTWPAEL MQGLARYVFQSENTFCSGDHVSWHSPLDNSESRIQHMLLTEDPQMMPVQTPFGVVTFLQIVGVCTEELHS AQQWNGQGILELLRTVPIAGGPWLITDMRRGETIFEIDPHLQERVDKGIETDGSNLSGVSAKCAWDDLRSR PPEDEDSRSICIGTQPRRLSGKDTEQIRETLRRGLEINSKPVLPINPQRQNGLAHDRAPSRKDSLESD SSTAIIPHELIRTRQLESVHLKFNQESGALIPLCLRGRLLHGRHFTYKSITGDMAITFVSTGVEGAFATE EHPYAAHG PWLQILLTEEFVEKMLEDLEDLTSPEEFKLPKEYSWPEKCLKVSILPDVVFDSPLH</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	53.8 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.
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:	<u><a href="#">NP_057253</a></u>



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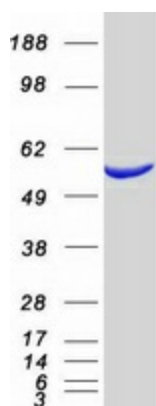
Locus ID: 51684  
UniProt ID: [Q9UMX1](#)  
RefSeq Size: 4994  
Cytogenetics: 10q24.32  
RefSeq ORF: 1452  
Synonyms: JBTS32; PRO1280; SUFUH; SUFUXL

**Summary:** The Hedgehog signaling pathway plays an important role in early human development. The pathway is a signaling cascade that plays a role in pattern formation and cellular proliferation during development. This gene encodes a negative regulator of the hedgehog signaling pathway. Defects in this gene are a cause of medulloblastoma. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer

### Product images:



Coomassie blue staining of purified SUFU protein (Cat# [TP301021]). The protein was produced from HEK293T cells transfected with SUFU cDNA clone (Cat# [RC201021]) using MegaTran 2.0 (Cat# [TT210002]).