

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

Cat. No. SUFU-1869H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SUFU MS Standard C13 and N15-labeled recombinant protein (NP_057253) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	53.9 kDa
AA Sequence	MAELRPSGAPGPTAPPAPGPTAPPAFASLFPPGLHAIYGECRRLYPDQPNPLQVTAI VKYWLGGPDPLDYVSMYRNVGSPSANIPEHWHYISFGLSDLYGDNRVHEFTGTDG PSGFGFELTFRLKRETGESAPPTWPAELMQGLARYVFQSENTFCSGDHVSWHSP DNSESRIQHMLLTEDPQMGPVQTPFGVVTFLQIVGVCTEELHSAQQWNGQGILELL RTVPIAGGPWLITDMRRGETIFEIDPHLQERVVDKGIETDGSNLSGVSAKCAWDDL SRPPEDDEDSRSICIGTQPRRLSGKDTEQIRETLRRGLEINSKPVLPINPQRQNGLAHD RAPSRKDSLESDSSTAIPHELIRTRQLESVHLKFNQESGALIPCLLRGRLLHGRHFTY KSITGDMAITFVSTGVEGAFATEEHPYAAHGPWLQILLTEEFVEKMLEDLEDLTSP

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	FKLPKEYSWPEKKLKVSILPDVVFDSPLHTRTRPLEQKLISEEDLAANDILDYKDDDD KV
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	SUFU SUFU negative regulator of hedgehog signaling [Homo sapiens (human)]
Official Symbol	SUFU
Synonyms	SUFU; suppressor of fused homolog (Drosophila); suppressor of fused homolog; PRO1280; SUFUH; SUFUXL;
Gene ID	51684
mRNA Refseq	NM_016169
Protein Refseq	NP_057253
MIM	607035

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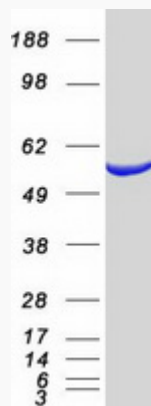
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UniProt ID

Q9UMX1

SDS-PAGE

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