

Product datasheet for **SC328714**

Suppressor of Fused (SUFU) (NM_001178133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Suppressor of Fused (SUFU) (NM_001178133) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUFU
Synonyms:	JBTS32; PRO1280; SUFUH; SUFUXL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001178133, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGCTGCGGCCTAGCGGCGCCCCGGCCCCACCGCGCCCCGGCCCTGGCCCC
ACTGCCCCCGGCCTTGCTTCGCTCTTCCCGGGACTGCACGCCATCTACGGAGAG
TGCCGCCGCTTTACCCTGACCAGCCGAACCCGCTCCAGGTTACCGCTATCGTCAAGTAC
TGGTTGGGTGGCCAGACCCCTTGGACTATGTTAGCATGTACAGGAATGTGGGGAGCCCT
TCTGCTAACATCCCCGAGCACTGGCACTACATCAGCTTCGGCCTGAGTGATCTCTATGGT
GACAACAGAGTCCATGAGTTTACAGGAACAGATGGACCTAGTGGTTTTGGCTTTGAGTTG
ACCTTTCTGTCTGAAGAGAGAAAAGTGGGGAGTCTGCCCCACCAACATGGCCCGCAGAGTTA
ATGCAGGGCTTGGCACGATACGTGTTCCAGTCAGAGAACACCTTCTGCAGTGGGGACCAT
GTGTCCTGGCACAGCCCTTTGGATAACAGTGAGTCAAGAATTCAGCACATGCTGCTGACA
GAGGACCACAGATGCAGCCCGTGCAGACACCCTTTGGGGTAGTTACCTTCTCCAGATC
GTTGGTGTCTGCACTGAAGAGCTACACTCAGCCAGCAGTGAACGGGCAGGGCATCCTG
GAGCTGTGCGGACAGTGCCTATTGCTGGCGGCCCTGGCTGATAACTGACATGCGGAGG
GGAGAGACCATATTTGAGATCGATCCACACCTGCAAGAGAGAGTTGACAAAGGCATCGAG
ACAGATGGCTCCAACCTGAGTGGTGTGAGTCCAAAGTGTGCTGGGATGACCTGAGCCGG
CCCCCGAGGATGACGAGGACAGCCGGAGCATCTGCATCGGCACACAGCCCCGGCGACTC
TCTGGCAAAGACACAGAGCAGATCCGGGAGACCCTGAGGAGAGGACTCGAGATCAACAGC
AAACCTGTCCTTCCACCAATCAACCCTCAGCGGCAGAATGGCCTCGCCCACGACCGGGCC
CCGAGCCGCAAAGACAGCCTGGAAGTGACAGCTCCACGCCATCATTCCCATGAGCTG
ATTGCGACGCGGAGCTTGAAGAGCTACATCTGAAATTC AACAGGAGTCCGGAGCCCTC
ATTCTCTCTGCCTAAGGGGAGGCTCCTGCATGGACGGCACTTTACATATAAAAGTATC
ACAGGTGACATGGCCATCACGTTTGTCTCCACGGGAGTGAAGGCGCCTTTGCCACTGAG
GAGCATCCTTACGCGGCTCATGGACCCTGGTTACAACCTCTGA

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Restriction Sites: Please inquire



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ACCN:	NM_001178133
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001178133.1, NP_001171604.1</u>
RefSeq Size:	1900 bp
RefSeq ORF:	1302 bp
Locus ID:	51684
UniProt ID:	<u>Q9UMX1</u>
Cytogenetics:	10q24.32
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>