

Product datasheet for **MC205357**

Smurf1 (NM_029438) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smurf1 (NM_029438) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smurf1
Synonyms:	4930431E10Rik; mKIAA1625
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029097
 CCGACGCGTGGGCTCGGGAGGCGGCGCGGAAGCAGCGAGGGCGGCGGGCGTCCGGCTGCGAGCGCGGCG
 GCTCCGGGCTGGGCCAGCCAGGGGCGGCTCCTGGCGGCGGCGGCGGAGCGCTCGGTTCTACGTTCCA
 GCCCGTGGTCTCCGGCCAACGCCTGCGCCGCGCACTCGGCGTCCCGGCTCGGACCCCGGCGCCAGCCC
 GTGGCCGTAACCTTGAGGCGGCGGCGGGGCGGGCCGGGCGGGCTGGGGGGCGGCGGCACTGGATCCGA
 GGCCGGCCGCGCGCTGGCGGGAGATGTCGAACCCCGGACCCGTAGGAACGGCTCCAGCATCAAGATCCG
 TCTGACAGTATTGTGTGCCAAGAACCTTGCAAAGAAAGACTTCTTCAGACTCCCCGACCCCTTTGCCAAG
 ATTGTTGTGGACGCTCTGGGCAGTGCCACTCAACCGACACTGTGAAAAACACCCTGGACCCAAAGTGGA
 GCCAGCACTATGACCTGTATGTTGGGAAAAACGACTCGATAACCATCAGTGTGTGGAACCAAGAAGAT
 CCACAAGAAGCAGGGGGCTGGCTTCTGGGCTGTGTGCGGCTGCTCTCCAATGCCATCAGCAGATTGAAA
 GACTGCTACCAGCGTTTGGATCTATGCAAATAAATCCCTCAGATACTGATGCAGTTCGTGGCCAAA
 TAGTGGTCAGTTTACAGACCCGAGACAGAATAGGCGGTGGAGGGTCAGTGGTGGACTGCAGAGGGCTGCT
 GGAGAACAAGGAACAGTGTATGAAGACTCAGGCCCTGGAAGGCCGCTCAGTGCCTCATGGAGAACCT
 GCCCGTATACAGATGGTACTGGTGCAGCAGCAGGAGGCGGGAAGTGCAGTTTGTGGAGTCTCAAAGCC
 AAGATCAGAGACTCCTGGTACAGCGACTCCGAAATCCTGAGGTTGAGGGCCCTTACAGACACCCAGAA
 CCGACCACATGGCCACCAGTCCGACAGAGCTGCCTGAAGGCTATGAGCAAAGGACAACAGTGCAGGGACAA
 GTTACTTTTTGCACACGACAGACTGGAGTCAGCACATGGCATGACCCAGGATCCCAGAGACCTTAACA
 GTGTGAACTGCGATGAACTTGGGCCACTGCCTCCAGGCTGGGAAGTCCGAAGCACAGTGTGCGGAAGAAT
 CTATTTTGTAGATCACAATAATAGGACAACCCAGTTTACAGATCCACGGCTTACCACATCATGAATCAC
 CAGTGCCAACTCAAGGAGCCAGCCAGCCGCTGCAGCTGCCAGTGAGGGCTCCGTGGAGGACGAGGAGC
 TTCTGCCAGAGATATGAGAGGGACTTAGTCCAGAAGCTCAAAGTTCTCAGGCACGAGCTCTCTTTCA
 GCAGCCCCAGGCTGGTCACTGTGCAATAGAAGTCTCCAGAGAAGAGATATTTGAGGAGTCGATCGCCAG
 ATCATGAAGATGCGGCCAAAAGACCTAAAGAAGCGCCTCATGGTGAAGTCCGAGGGGAGGAAGTTTGG
 ACTATGGTGGAGTGGCTCGGGAGTGGCTGATTTGTTGTGCCATGAAATGTTGAACCCGACTACTGGACT
 CTTCCAGTATTCCACGGACAATATTTACACACTGCAGATCAACCCAGATTCTTCTATCAACCCTGACCAT
 CTGTCTTACTTCCACTTTGTGGGTGCGATCATGGGTCTGGCTGTGTTCCACGGACACTACATAAATGGGG
 GTTTCACAGTTCGGTTCTACAAGCAGCTCCTGGGGAAGCCAATCCAGCTGTGCGACCTGGAGTCCGTGGA
 CCCAGAAGTGCACAAGAGCTTGGTGTGGATTCTAGAGAATGACATCACGCCTGTGTTGGATCATACTTC
 TGCGTGGAGCACAACGCTTTCGGGCGGATTCTCCAGCATGAACTGAAACCCAATGGCAGAAATGTGCTG
 TCACTGAGGAGAACAAAGAAGGAATACGTCCGGCTGTATGTGAACTGGAGGTTTATGAGAGGAATCGAAGC
 CCAGTTCTTAGCACTTCCAGAAGGGGTTTAAACGAACTATTCCCAACACTTGCTGAAGCCCTTTGACCAG
 AAGGAACTAGAGCTGATAATAGTGGGGCTGGATAAGATAGACCTGAACGACTGGAAGTCCAAACCCGGC
 TGAACACTGTGTGGCAGACAGCAACATCGTCAGGTGGTTCTGGCAGGGCGTGGAGACCTTCGATGAGGA
 GAGGAGAGCCAGACTCCTGCAGTTTGTGACAGGATCCACAAGAGTTTCTCTCAAAGGCTTCAAGGCTCTG
 CAAGGCGCGGCGAGGGCCCGGCTGTTACCATTACCTGATAGACGCCAATACAGACAACCTGCCAAGG
 CCCATACCTGCTTAAATCGGATCGACATCCCACCTATGAGTCTATGAGAAGCTCTATGAGAAGCTGCT
 GACAGCGGTGGAGGAACTGTGGCTTTGCAGTGGAGTGAAGAGCAGCCAGTGGCCACAGAGTCTTGCTC
 ACAACCACAGACCCAAAGCGTATGGCGTCTGCACGCCTCCCGCTGGCGGGCTGAGGCCAGGTTCCA
 GAAACCAAGGAAAAGGCTCGTCTCCCTCCTCTTTGGAGAGGGCAGGCCAGGGGACTTTCTAGGTGGC
 TCCCACCATTTATTCTCTTTATTATAGTTTGGCCACCCCTCCATCACCCATCCAATAAAACGCAGCCA
 GTTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_029438
Insert Size: 2187 bp
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).

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:	BC029097 , AAH29097
RefSeq Size:	2765 bp
RefSeq ORF:	2187 bp
Locus ID:	75788
UniProt ID:	Q9CUN6
Cytogenetics:	5 G2
Gene Summary:	<p>E3 ubiquitin-protein ligase that acts as a negative regulator of BMP signaling pathway (By similarity). Mediates ubiquitination and degradation of SMAD1 and SMAD5, 2 receptor-regulated SMADs specific for the BMP pathway (By similarity). Promotes ubiquitination and subsequent proteasomal degradation of TRAF family members and RHOA (By similarity). Promotes ubiquitination and subsequent proteasomal degradation of MAVS (PubMed:23087404). Plays a role in dendrite formation by melanocytes (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1, resulting in a shorter protein (isoform 2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single C57BL/6J strain transcript was available for the full length of the gene. The extent of the sequence in this record is supported by orthologous human data.</p>