Product datasheet for SC311377

SPRED3 (NM_001042522) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SPRED3
Synonyms:	Eve-3; spred-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311377 representing NM_001042522. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGCGGGTCCGAGCTGTGGTGATGGCCCGAGATGACTCCAGTGGGGGCTGGCTGCCTGTGGGGGGC
GGGGGCCTCAGCCAGGTGAGCGTGTGTCGGGTCCGAGGGGCCAGGCCCGAGGGGGGGGCCCGCCAGGGG
CACTACGTCATCCACGGGGAACGCCTCCGGGACCAGAAAACAACCTTGGAGTGTACACTGAAGCCAGGC
TTGGTTTACAACAAGGTGAATCCCATCTTTCACCACTGGAGCCTGGGTGACTGCAAGTTTGGACTGACG
TTTCAGAGCCCTGCAGAGGCTGATGAGTTCCAGAAGAGCCTGCTGGCTGCGCTGGCCGCACTGGGTCGA
GGCTCACTCACCCCCTCCTCCTCCTCCTCCTCCTCCTCTCCTTCCCAGGATACTGCAGAGACCCCCTGC
CCTCTGACGTCCCACGTGGACAGCGACTCCTCCTCCAGTCACAGCCGCCAGGAGACTCCTCCCAGCGCC
GCTGCGGCCCCCATCATCACGATGGAGTCAGCTTCAGGCTTCGGGCCGACCACGCCCCCCCAGCGCCGC
CGCTCCTCCGCTCAGAGCTACCCTCCGCTTCTACCGTTCACGGGGATTCCGGAACCCTCAGAGCCCCTG
GCAGGGGCAGGGGGCCTGGGGTGGGGCGGCCGCGGCTACGAGGATTACCGGCGCTCCGGGCCACCCGCG
CCCCTCGCCCTGTCCACCTGCGTCGTGCGCTTCGCCAAGACCGGCGCGTTGAGGGGCGCTGCCCTGGGT
CCCCAGCGGCACTACCTGCCCCCTTTGACCGAGGCTGCGCCCCCAGCGCCCCCCGCTCGCCCCACCCCCC
GGCCCGGGCCCATCCTCTGCGCCTGCCAAGGCCTCCCCGGAAGCGGAGGAGGCAGCGCGCTGCGTGCAT
TGCCGCGCGCTCTTCCGTCGCAGAGCAGACGGGCGTGGCGGCCGCTGCGCAGAGGCCCCGGACCCGGGT
CGCCTCCTGGTGCGCCGTCTAAGCTGCCTGTGGTGCGCCGAGAGCTTGCTCTACCACTGCCTGTCGGAC
GCCGAGGGCGACTTCTCGGACCCGTGCGCCTGCGAGCCGGGCCACCCGCGCCCCGCCGCGCGCTGGGCC
GCGCTGGCCGCGCTCTCCCTGGCAGTGCCCTGCCTCTGCTGCTACGCGCCCCTGCGCGCGCGTGCCACTGG
GTCGCAGCGCGATGCGGCTGCGCCGGCTGCGGGGGGTCGCCACGAGGAGGCTGCGCGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI

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ACCN:	NM_001042522
Insert Size:	1233 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).
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:	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 -20ºC. The DNA is stable for at least one year from date of shipping when stored at -20ºC.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001042522.2
RefSeq Size:	5075 bp
RefSeq ORF:	1233 bp
Locus ID:	399473
UniProt ID:	Q2MJR0
Cytogenetics:	19q13.2
MW:	42.7 kDa

Gene Summary:

This gene encodes a protein with a C-terminal Sprouty-like cysteine-rich domain (SRY) and an N-terminal Ena/Vasodilator-stimulated phosphoprotein (VASP) homology-1 (EVH-1) domain. The encoded protein is a member of a family of proteins that negatively regulates mitogen-activated protein (MAP) kinase signaling, particularly during organogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.