Sprouty-Related, EVH1 Domain-Containing Protein 3 (SPRED3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sprouty-related, EVH1 domain-containing protein 3 (SPRED3), Recombinant Protein
Full Product Name	Recombinant Human Sprouty-related, EVH1 domain-containing protein 3 (SPRED3)
Product Gene Name	SPRED3 recombinant protein
Product Synonym Gene Name	SPRED3
Sequence	MVRVRAVVMA RDDSSGGWLP VGGGGLSQVS VCRVRGARPE GGARQGHYVI HGERLRDQKT TLECTLKPGL VYNKVNPIFH HWSLGDCKFG LTFQSPAEAD EFQKSLLAAL AALGRGSLTP SSSSSSSSPS QDTAETPCPL TSHVDSDSSS SHSRQETPPS AAAAPIITME SASGFGPTTP PQRRRSSAQS YPPLLPFTGI PEPSEPLAGA GGLGWGGRGY EDYRRSGPPA PLALSTCVVR FAKTGALRGA ALGPPAALPA PLTEAAPPAP PARPPPGPGP SSAPAKASPE AEEAARCVHC RALFRRRADG RGGRCAEAPD PGRLLVRRLS CLWCAESLLY HCLSDAEGDF SDPCACEPGH PRPAARWAAL AALSLAVPCL CCYAPLRACH WVAARCGCAG CGGRHEEAAR
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	16,330 Da
Sequence Positions	1-410, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	609293
3D Structure	ModBase 3D Structure for Q2MJR0
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SPRED3 recombinant protein	MBS1281617 is a recombinant protein targeting SPRED3. Also known as Recombinant Human Sprouty-related, EVH1 domain-containing protein 3 (SPRED3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SPRED3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPRED3. It may not necessarily be applicable to this product.

NCBI GI #	110225353
NCBI GeneID	399473

NCBI Accession #	NP_001035987.1
UniProt Primary Accession #	Q2MJR0
UniProt Secondary Accession #	Q2MJR1
UniProt Related Accession #	Q2MJR0
GenBank Nucleotide #	NM_001042522.2
NCBI Official Full Name	sprouty-related, EVH1 domain-containing protein 3
NCBI Official Synonym Full Names	sprouty related EVH1 domain containing 3
NCBI Official Symbol	SPRED3
NCBI Official Synonym Symbols	Eve-3; spred-3
UniProt Protein Name	Sprouty-related, EVH1 domain-containing protein 3
Protein Family	Sprouty-related, EVH1 domain-containing protein
UniProt Gene Name	SPRED3
UniProt Synonym Gene Names	EVE-3; Spred-3
NCBI Protein Information	sprouty-related, EVH1 domain-containing protein 3
NCBI Summary for SPRED3	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]
UniProt Comments for SPRED3	Tyrosine kinase substrate that inhibits growth-factor-mediated activation of MAP kinase.
Research Articles on SPRED3	**1.** Eve-3 may act as an inhibitor of proliferation pathways in the mature liver and be involved in modulating the unique regenerative capacity of this organ
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