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Product datasheet for SC216406

SH2D1A (NM_001114937) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SH2D1A (NM_001114937) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	SH2D1A
Synonyms:	DSHP; EBVS; IMD5; LYP; MTCP1; SAP; SAP/SH2D1A; XLP; XLPD; XLPD1
ACCN:	NM_001114937
Insert Size:	1799 bp

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Insert Sequence:

>SC216406 3'UTR clone of NM_001114937
The sequence shown below is from the reference sequence of NM_001114937. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATCCTGATGTCTGCCTGAAAGCCCCATGAAGAAAAATAAAACACCTTGTACTTTATTTTCTATAATTT
AAATATATGCTAAGTCTTATATATTGTAGATAATACAGTTCGGTGAGCTACAAATGCATTTCTAAAGCC
ATTGTAGTCCTGTAATGGAAGCATCTAGCATGTCGTCAAAGCTGAAATGGACTTTTGTACATAGTGAGG
AGCTTTGAAACGAGGATTGGGAAAAAGTAATTCCGTAGGTTATTTTCAGTTATTATATTTACAAATGGG
AAACAAAAGGATAATGAATACTTTATAAAGGATTAATGTCAATTCTTGCCAAATATAAATAAAAATAAT
CCTCAGTTTTTGTGAAAAGCTCCATTTTTAGTGAAATATTATTTTATAGCTACTAATTTTAAAATGTCT
TGCTTGATTGTATGGTGGGAAGTTGGCTGGTGTCCCTTGTCTTTGCCAAGTTCTCCACTAGCTATGGTG
TCATAGGCTCTTTTGGGATTTTTGAAGCTGTATACTGTGTGCTAAAACAAGCACTAAACAAAGAGTGAA
GGATTTATGTTTAATTCTGAAAGCAACCTTCTTGCCTAGTGTTCTGATATTGGACAGTAAAATCCACAG
ACCAACCTGGAGTTGAAAATCTTATAATTTAAAATATGCTCTAAACATGTTTATCGTATTTGATGCTAC
AGGATTTGAAATTGTATTACAAATCCAATGAAATGAGTTTTTCTTTTCATTTACCTCTGCCCCAGTTGT
TTCTACTACATGGAAGACCTCATTTTGAAGGGAAATTTCAGCAGCTGCAGCTCATGAGTAACTGATTTG
TAACAAGCCTCCTTTTAAAGTAACCCTACAAAACCACTGGAAAGTTTATGGTTGTATTATTTTTTAAAA
AAATTCCAAGTGATTGAAACCTACACGAGATACAGAATTTTATGCGGCATTTTCTTCTCACATTTATAT
TTTTGTGATTTTGTGATTGATTATATGTCACTTTGCTACAGGGCTCACAGAATTCATTCACTCAACAAA
CATAATAGGGCGCTGAGGGCATAGAAGTAAAAACACCTGGTCCCTGCTCTCAGTTCACTGTCTTGTTGG
ACGAGAAAACAATAACGATAAAAGACAGTGAAAGAAAATAACGATAAAAGACAGTGAAAGAAAATAACA
ATAAAAGACAAGGAAAAAATAACAATGAAAGTTGATAAGTACATGATAAGCGAGGTTCCCCGTGTGTAG
GTAGATCTGGTCTTTAGAGGCAGATAGATAGGTCAGTGCAAATACTCTGGTCCATGGGCCATATGAAAA
GGCTAAGCTTCACTGTAAAATAATAACTGGGAATTCTGGATTGTGTATGGGTGTTGGTGAACTTGGTTT
TAATTAGTGAACTGCTGAGAGACAGAGCTATTCTCCATGTACTGGCAAGACCTGATTTCTGAGCATTTA
ATATGGATGCCGTGGGAGTACAAAAGTGGAGTGTGGCCTGAGTAATGCATTATGGGTGGTTTACCATTT
CTTGAGGTAAAAGCATCACATGAACTTGTAAAGGAATTTAAAAATCCTACTTTCATAATAAGTTGCATA
GGTTTAATAATTTTTAATTATATGGCTTGAGTTTAAATTGTAATAGGCGTAACTAATTTTAACTCTATA
ATGTGTTCATTCTGGAATAATCCTAAACATATGAATTATGTTTGCATGTTCACTTCCAAGAGCCTTTTT
TTGAAAAAAAGCTTTTTTTGAATCATCAAGTCTTTCACATTTAAATAAAGTGTTTGAAAGCTTTATTTA
CCTAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001114937.3

Summary: This gene encodes a protein that plays a major role in the bidirectional stimulation of T and B cells. This protein contains an SH2 domain and a short tail. It associates with the signaling lymphocyte-activation molecule, thereby acting as an inhibitor of this transmembrane protein by blocking the recruitment of the SH2-domain-containing signal-transduction molecule SHP-2 to its docking site. This protein can also bind to other related surface molecules that are expressed on activated T, B and NK cells, thereby modifying signal transduction pathways in these cells. Mutations in this gene cause lymphoproliferative syndrome X-linked type 1 or Duncan disease, a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus, with symptoms including severe mononucleosis and malignant lymphoma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 4068

MW: 70.7