SLAMF1 cDNA Clone – Signaling Lymphocytic Activation Molecule Family Member 1 (Human)

PRODUCT OVERVIEW

Product Name	SLAMF1, cDNA Clone
Full Product Name	SLAMF1 cDNA Clone
Product Gene Name	SLAMF1 cdna clone
Sequence	atggatccca aggggctcct ctccttgacc ttcgtgctgt ttctctccct ggcttttggg gcaagctacg gaacaggtgg gcgcatgatg aactgcccaa agattctccg gcagttggga agcaaagtgc tgctgcccct gacatatgaa aggataaata agagcatgaa caaaagcatc cacattgtcg tcacaatggc aaaatcactg gagaacagtg tcgagaacaa aatagtgtct cttgatccat ccgaagcagg ccctccacgt tatctaggag atcgctacaa gttttatctg gagaatctca ccctggggat acgggaaagc aggaaggagg atgagggatg gtaccttatg accctggaga aaaatgtttc agttcagcgc ttttgcctgc agttgaggct ttatgagcag gtctccactc cagaaattaa agttttaaac aagacccagg agaacgggac ctgcaccttg atactgggct gcacagtgga gaaggggac catgtggctt acagctggag tgaaaaggcg ggcacccacc cactgaaccc agccaacagc tcccacctcc tgtccctcac cctcggcccc cagcatgctg acaatatcta catctgcacc gtgagcaacc ctatcagcaa caattcccag accttcagcc cgtggcccgg atgcaggaca gacccctcag aaacaaaacc atgggcagtg tatgctgggc tgttaggggg tgtcatcatg attctcatca tggtggtaat actacagttg agaagaagag gtaaaacgaa ccattaccag acaacagtgg aaaaaaaaag ccttacgatc tatgcccaag tccagaaacc aggtcctctt cagaagaaac ttgactcctt cccagctcag gacccttgca ccaccatata tgttgctgcc acagagcctg tcccagagtc tgtccaggaa acaaattcca tcacagtcta tgctagtgtg acacttccag agagctga
Molecular Weight	40,292 Da
OMIM	603492
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SLAMF1 cdna clone	MBS1267127 is a cDNA clone targeting SLAMF1.
Other Notes	Small volumes of SLAMF1 cdna clone 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 SLAMF1. It may not necessarily be applicable to this product.

NCBI GI #	124376339
NCBI GeneID	6504
NCBI Accession #	BC132792
UniProt Secondary Accession #	Q5W172; Q9HBE8; W0HKK7
UniProt Related Accession #	Q13291
NCBI Official Full Name	Homo sapiens signaling lymphocytic activation molecule family member 1, mRNA
NCBI Official Synonym Full Names	signaling lymphocytic activation molecule family member 1
NCBI Official Symbol	SLAMF1
NCBI Official Synonym Symbols	SLAM; CD150; CDw150
UniProt Protein Name	Signaling lymphocytic activation molecule

UniProt Synonym Protein Names	CDw150; IPO-3; SLAM family member 1; CD_antigen: CD150
Protein Family	Signaling lymphocytic activation molecule
UniProt Gene Name	SLAMF1
UniProt Synonym Gene Names	SLAM
UniProt Entry Name	SLAF1_HUMAN
NCBI Protein Information	signaling lymphocytic activation molecule
UniProt Comments for SLAMF1	SLAM: a type I membrane protein present on the surface of B cells, T cells and CD83+ dendritic cells. A high-affinity self-ligand considered to be important in bidirectional T <-> B-cell stimulation. SLAM-induced signal-transduction events in T lymphocytes are different from those in B cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A (SAP) acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (SHP-2)-dependent signal transduction operates. Its cytoplasmic domain interacts with SAP through part of its SH2 domain, and with SHP-2. Three alternatively spliced isoforms have been described. Protein type: Receptor, misc.; Membrane protein, integral Chromosomal Location of Human Ortholog: 1q23.3 Molecular Function: antigen binding; protein binding; transmembrane receptor activity Biological Process: myeloid dendritic cell activation during immune response; negative regulation of interleukin-12 production; negative regulation of interleukin-6 production; negative regulation of tumor necrosis factor production; positive regulation of cell proliferation; positive regulation of JNK cascade
Research Articles on SLAMF1	**1.** Data suggest that SLAMF1 is another significant piece in the intricate defective immune-regulatory function of patients with SLE.
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