PSD cDNA Clone – Pleckstrin and Sec7 Domain Containing (Human)

PRODUCT OVERVIEW

Product Name	PSD, cDNA Clone
Full Product Name	PSD cDNA Clone
Product Gene Name	PSD cdna clone
Sequence	atgaaccagg gggatacctg gtcctccccc cgggaagtct cctctcatgc ccagagaatc gctagagcca aatgggaatt cttctatggc tccttggacc cccccagctc aggtgctaag cccccagagc aggcccccccc atctccacct ggggtgggct caaggcaggg ctctggggtg gctgtggggc gagcagccaa gtactccgag acagacctgg acacggtgcc cctgaggtgc taccgcgaga ctgacatcga tgaggtgctg gctgagcggg aggaggccga ctcggccatc gaaagtcagc ccagctctga gggcccacca ggcactgcct acccacctgc cccacggccc ggcccactcc ctggccctca tcccagcctc ggcagtggca atgaggatga ggacgacgat gaggcaggtg gggaagaaga tgtggacgac gaggtgtttg aggcctctga aggggcccgg ccagggagcc ggatgcctct caagtcacct gtgccctttc tacctgggac gagcccctcg gctgatgggc ctgactcttt cagttgtgtg ttcgaagcca tcctggagtc acaccgggcc aaaggcacct cctataccag cctcgcctcg ctggaggcct tggcctcacc tggcccaacc cagagcccct tcttcacctt tgagctgcct ccccaacccc ctgcaccccg gcccgaccca ccagctcccg ccccacttgc ccctcttgaa ccggattctg gtaccagctc tgctgctgat ggtccttgga cacagagagg ggaggaggag gaggcagagg ccagagccaa gctggcccca gggagggagc cccctagtcc ctgccactca gaggacagcc ttgggctggg ggcagcaccc cttggcagcg aaccacccct gagccagctg gtgtccgact cagactcaga gctggacagc acagagcggc tggccctggg aagcacagac accttgtcca atgggcagaa agcggacctg gaggctgcgc agcgcctggc caagaggctg taccgactag atggcttcag gaaggccgat gtggcccggc acctgggcaa gaacaatgac ttcagcaaac tggtggctgg ggagtacctc aagttctttg tcttcacggg catgactctg gaccaagctc tcagggtgtt tctgaaggag ctggccttaa tgggtgagac ccaggaacga gagcgcgtgc tggcccactt ctcccagcga tacttccagt gcaatcctga agccctgtcc tcagaggacg gcgcccacac gctgacctgt gcgctcatgc tgctcaacac ggatctccac ggccataaca tcgggaagcg catgacctgc ggggacttca tcgggaacct ggagtgcctc aatgatggcg gcgacttccc tagggagctg ctcaaggcct tgtacagctc catcaagaat gagaagctgc agtgggccat agacgaggag gagctgagac gctctctgtc tgagttggcc gaccccaacc ccaaggtcat caagcggatc agcgggggca gtggcagtgg ctccagccct ttcctggacc tgactcccga gcctggggct gccgtctaca agcacggggc cctggtgcga aaggtgcacg cagaccctga ctgcaggaag acacctcggg gcaagcgggg ctggaagagc ttccacggga tcctcaaggg catgatcctc tacctgcaga aggaggagta caagcctggg aaggcccttt cagagacgga gctcaagaat gccatcagca tccacaatgc cctggccact cgtgccagtg actacagcaa gaggccccac gtcttctacc tgcgcacagc tgactggcgg gtcttcctct tcctggcccc gagcctggag cagatgcagt cctggatcac tcgcatcaat gtagtagccg ctatgttctc tgcgcccccc ttcccagctg ctgttagctc ccaaaagaag ttcagccgcc ctctcctgcc cagcgctgcc acccgcctct cccaggagga gcaggtgcgg acccacgagg ccaagctgaa ggccatggca agtgagctgc gggagcaccg ggccgcccag ctgggcaaga agggccgggg caaggaggct gaagagcagc ggcagaagga ggcctacctg gagtttgaga aatcccgcta cagcacctat gcagcgctgc ttcgggtcaa gctgaaggca ggcagtgagg agctggatgc agtggaggca gcactggccc aggccgggag cacagaggat ggactccctc cttctcactc cagtccctcc ctgcagccca aaccctccag ccagccccgg gctcagcgtc acagctcaga gcctcggcca ggggcaggca gtgggcggcg gaagccctga
Molecular Weight	70,393 Da
OMIM	602327
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PSD cdna clone	MBS1266412 is a cDNA clone targeting PSD.
Other Notes	Small volumes of PSD 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 PSD. It may not necessarily be applicable to this product.

NCBI GI #	25058752
NCBI GeneID	5662
NCBI Accession #	BC039259

UniProt Secondary Accession #	Q15673; Q8IVG0; B1AKX7; D3DR87
UniProt Related Accession #	A5PKW4
NCBI Official Full Name	Homo sapiens pleckstrin and Sec7 domain containing, mRNA
NCBI Official Synonym Full Names	pleckstrin and Sec7 domain containing
NCBI Official Symbol	PSD
NCBI Official Synonym Symbols	TYL; EFA6; PSD1; EFA6A
UniProt Protein Name	PH and SEC7 domain-containing protein 1
UniProt Synonym Protein Names	Exchange factor for ARF6; Pleckstrin homology and SEC7 domain-containing protein 1
Protein Family	PH and SEC7 domain-containing protein
UniProt Gene Name	PSD
UniProt Synonym Gene Names	EFA6; KIAA2011; PSD1; TYL
UniProt Entry Name	PSD1_HUMAN
NCBI Protein Information	PH and SEC7 domain-containing protein 1
NCBI Summary for PSD	This gene encodes a Plekstrin homology and SEC7 domains-containing protein that functions as a guanine nucleotide exchange factor. The encoded protein regulates signal transduction by activating ADP-ribosylation factor 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
UniProt Comments for PSD	PSD: Guanine nucleotide exchange factor for ARF6. Induces cytoskeletal remodeling. Belongs to the PSD family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GEFs, ARF; GEFs Chromosomal Location of Human Ortholog: 10q24 Molecular Function: protein binding
Research Articles on PSD	**1.** PSD expression might be a useful biomarker for epigenetic-based gastric cancer early diagnosis and may lead to the identification of new targets for pharmacological intervention.
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