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Product datasheet for SC216976

DUSP7 (NM_001947) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DUSP7 (NM_001947) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DUSP7
Synonyms:	MKPX; PYST2
ACCN:	NM_001947
Insert Size:	1926 bp

View online »

Insert Sequence:

>SC216976 3'UTR clone of NM_001947
The sequence shown below is from the reference sequence of NM_001947. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCCCACTCAATACGCTGGAGTCCACGTGAGGCCTGGTGCACGGGGGGCATGGCACCAGGCCCCTGCTC
GGCTCTCCACAGGGCTAGGTGGGAGAGCCCAAGCCCGCCACCTCTGGCCTGAGGAACCCCCAGATGTCA
CCTGTGCCCAGAGGCCCAGGCTGATCGGTGTCGGAGCGCCCCTCACCATCCTTGGGGGCAGGGCCCGCA
GGCAAGGTCTCCCACTGCAGGGCTTGCTGGAGAGGCCTCGGCTCTTGGACACGTGGCTTTGGGCGTCCA
CCAGGGCCTCATCCTGTCCAGGACGCTCCTTTCTGCTGACAGCCCAGCCAGTTTGGCTGTTTTTTAAAG
ACACATCCACGGACCTGAGTTTACTTTTTACTTTTGGCAGGTAAATCCAAGCTCCCTGGAGCACAAAGA
GTGTTTGAGCTCTTCTTGATTTTTCTTTTTTTTTTTTTTTTTTAACAAAAAGTGTTATTTTCAGGCTAC
ATGCAACAGTGGATTGTATAACCCAGTATTTCATCCCTTTCCTGATCCTGCAAGAGAGAGAAATGTTCA
GTTTTGTTTTTCGTTCAATTTCAAAAAGCAAGTATCGTGTTTGTTTTTGTTTTTGTTTTTTAATGGAAA
AGACAGACGCCATGTTGACCTTGACCAAATGCGTTTTGCACATGTGTGAAGCCTCTGTTTCCTCAGCGG
GCCCTTCTTGAAGGGGTGGCTTACTGCTCTTCAGGTATTGGGACCCCCAGTCGTGCCGCCTCCCACCCT
TGGCCCAGTCTGACTTAGCTCTGCATTCGCCTGTGATGACTGCTGCAAGTTGTGATTGGTGGGCTGGAT
GGTGGTCTTTGCATTTTCTGCCGTCTCATCCATCCCTCTGGTGGTCCCTGCAGACCTCCCTGAGGCAGA
AGGTGGGGACCCTGGGGCCCTGCCGCTGTCCCCCAGGAGGTGGGCCGCAGGGGGCTGCCAGGCAGTAGC
ATTAGCCCTCTGGGGTCAGCCCCTAAGAAGGCCTGGGCTCTGAGCCCTTTTATATACTTAGCCACTACT
TCTGTCTGTCTGTCTGTCTCTCTCTCTTCCTCTCCCTCTCTCTCTTTCTCTCTCTCCCTCTCTCTCTCT
TTCTTTCTCTCTCCCCCCCTCCCTCTCTCTTCCTTTCCTCTCTCTTGTTGTAACTGGGAGTGGAGGCCC
AGTGGCTGGGGAGACATTAGGTGGTGGGGCCCAGCCCGACCTCCAGGTTCTTCCTTCTCCCTAGCTGTT
GCTTTGGTCTGGCCACTCCCAGCCCCCTTGTCCCCTTGGAAGCTTGCCCTGCCCTCATCTTGCCCATGC
CTTCTACTGCCAGGAGACTTGCACCCATTTCAACCCTAGGGCGGGGGCAAGTGGGGCAAGGATGGACCA
GCAGAAGGGGGGTAAGGCTCTGTTCACTTCCCCCTGCCTCCACAGAACGAAGCCACGGATTCCGTTATC
TTCCTCCAGTTTTGTTCCTTCTCCAGCCTCAGTTCCACCAGGTGTCAGGACTGCATGGGGGCCTGGGGC
AGGCAGAGGAGTCAGGCCAGGGTCCCTGACGGAGCAGCACTCAGCATGTGAGTGAGGCCACAGAAAAAC
TCTGCCCCACTGCTTCTTACCTCACGGGGGTGGCTTTCAGGGATTCTTTAGCGCAGCAGATTAAAATCT
TGCCACAGTCGAGAAATTGACAACAAGCTTCCATGCTGTACATGGTTCTCTTTTTCTCTCTTTTATTTT
TAAAAAGAAAACCCAGAAAGATGTACCAGATTTGTGTAAATGAGGGTATGCCAGAAGGTGGCCAGTTTT
GCTTTATGATCTTATGAAGGAAGATTTGTGACCCTACGTATATATATACACACACATACATATATATAT
ATATCCCGAACCAACAACGGGACTTTGTTTATATTGCAAATAAATATTATTTTTTCTTTAAAA
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_001947.4

Summary: Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSP7 belongs to a class of DUSPs, designated MKPs, that dephosphorylate MAPK (mitogen-activated protein kinase) proteins ERK (see MIM 601795), JNK (see MIM 601158), and p38 (see MIM 600289) with specificity distinct from that of individual MKP proteins. MKPs contain a highly conserved C-terminal catalytic domain and an N-terminal Cdc25 (see MIM 116947)-like (CH2) domain. MAPK activation cascades mediate various physiologic processes, including cellular proliferation, apoptosis, differentiation, and stress responses (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]

Locus ID: 1849

MW: 70.5