

Product datasheet for **SC209719**

DAP5 (EIF4G2) (NM_001418) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DAP5 (EIF4G2) (NM_001418) Human 3' UTR Clone
Symbol:	DAP5
Synonyms:	AAG1; DAP5; NAT1; P97
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001418
Insert Size:	789 bp
Insert Sequence:	>SC209719 3' UTR clone of NM_001418 The sequence shown below is from the reference sequence of NM_001418. The complete sequence of this clone may contain minor differences, such as SNPs. Red =Cloning site Blue =Stop Codon

CAATTGGCAGAGCTCAGAATTCAAGCGATCGC

CAGAGGAAGAAGCTGACTAAAGAACCAGCCAAAGCCTTAAATTGTGCAAAACATACTGTTGCTATGATGT
AACTGCATTTGACCTAACCCTGCGAAAATTCATTCGCTGTAATGTTTTCACAATATTTAAAGCAGAAG
CACGTCAGTTAGGATTTCTTCTGCATAAGGTTTTTTGTAGTGAATGTCTTAATCATAGTCTACCATC
AAATATTTTAGGAGTATCTTAAATGTTTAGATAGTATATTAGCAGCATGCAATAATTACATCATAAGTTC
TCAAGCAGAGGCAGTCTATTGCAAGGACCTTCTTTGCTGCCAGTTATCATAGGCTGTTTTAAGTTAGAAA
ACTGAATAGCAACACTGAATACTGTAGAAATGCACTTTGCTCAGTAATACTTGAGTTGTTGCAATATTTG
ATTATCCATTTGGTTGTTACAGAAAAATCTTAACTGTAATTGATGGTTGTTGCCGTAATAGTATATTGC
CTGATTTCTACCTCTAGTAATGGGCTTATGTGCTAGATTTTAAATATCCTTGAGCCTGGGCAAGTGCAC
AAGTCTTTTTAAAGAAACATGGTTTACTTGCACAAAACACTGATCAGTTTTGAGAGATCGTTAATGCCCTT
GAAGTGGTTTTGTGGGTGTGAAACAAATGGTGAGAATTTGAATTGGTCCCTCCTATTATAGTATTGAAA
TTAAGTCTACTTAATTTATCAAGTCATGTTTCATGCCCTGATTTTATATACTTGTATCTATCAATAAACAT
TGTGATACTTGATGTAGTG

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI



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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:	<u>NM_001418.3</u>
Summary:	Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of three subunits: eIF4A, eIF4E and eIF4G. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jul 2008]
Locus ID:	1982