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Product datasheet for SC217097

Methionine Aminopeptidase 2 (METAP2) (NM_006838) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Methionine Aminopeptidase 2 (METAP2) (NM_006838) Human 3' UTR Clone
Symbol:	Methionine Aminopeptidase 2
Synonyms:	MAP2; MNPEP; p67eIF2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006838
Insert Size:	1965 bp

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Insert Sequence:

>SC217097 3'UTR clone of NM_006838
The sequence shown below is from the reference sequence of NM_006838. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAGTTGTCAGCAGAGGAGATGACTATTAAACTTAGTCCAAAGCCACCTCAACACCTTTATTTTCTGAG
CTTTGTTGGAAAACATGATACCAGAATTAATTTGCCACATGTTGTCTGTTTTAACAGTGGACCCATGTA
ATACTTTTATCCATGTTTAAAAAAGAAGGAATTTGGACAAAGGCAAACCGTCTAATGTAATTAACCAAC
GAAAAAGCTTTCCGGACTTTTAAATGCTAACTGTTTTTCCCCTTCCTGTCTAGGAAAATGCTATAAAGC
TCAAATTAGTTAGGAATGACTTATACGTTTTGTTTTGAATACCTAAGAGATACTTTTTGGATATTTATA
TTGCCATATTCTTACTTGAATGCTTTGAATGACTACATCCAGTTCTGCACCTATACCCTCTGGTGTTGC
TTTTTAACCTTCCTGGAATCCATTTTCTAAAAAATAAAGACATTTTCAGATCTGAGAGCTACATCTCAA
TGTCTGTGGTTATAATTCTGGACAGGATAAATAGCTAAACTTAATGTAGGCAAATGCAGAGACATTTAT
CTGAAATGTAGACCTCTACACTGAGACTTTTCTGGCATAGTGGCTAAAACAAGATCTACACATGCATAA
AAAGGGACAATCACCTTTTCTTCATAAATATACAGCTTTAGGAATATTTCACCATTCTTTGTAGGACAT
AGTAGTCCTTGTCTTTTTTTCTCCTGACATTGGAAAGATGTGCTAATTGAAACTTGACTTAGTAGGAAC
ATTGTGCCAACTCAAAACCTTGATTTAGTAAAAATCTCAATGTTTAGATCCTTTGTCCAGTGGTGGTGT
TTATCAGGGAATGTATTCAGCTTGCTCAGAAAACCAAAAGGGTATTAAAGCCACAAAAGCAAAGAAGAA
AAAAAAAAACTTCCCATGTTTGGATCTTGTTCTAGTTAGAAAAATTAAGTTGAAATTCTTGGACTTTTT
CATTCATGAGGCAAATGCTGTAATACCTTCCCCTTTGACAGGTTTGGATTCTTAACATTACTAGTGGTA
TTTCAGGAAGTGACGTTACAGTTACTTTCCTTATAGCGGCTAAGTGTATTAAGTTGAATGTAACGATGG
TAATATTAATTTGTTTGAACTGAGGCCCACTACTGATTCTTTGACAAATTGAATTCTTATATTTAAATA
ATTTTATGGGAATGTTCCATCATAATTTCTAAATCATTTATATATCAAGGTAGCCTTAATTTGTATATG
TTTCAGTACAATGAGATTTTATTGCCTCTGGGATGCTGTTTAGTTTGTATTTTGTTGAACGTTTTTATC
CTAGGAAGAGAAACCTATGACTTGTGTACCTAGATCATCTGTTACATTAAAAAGCTGCTCTTTCAGCAT
TAGAGCTATAAATGAATGTTACCTTGTCGGGAAACAATCTAGGTTTTAGCTGTATGAGCTATGTTTATT
ATGGTGCTAATGTTCAGTAGCCACATTTGACTAATGTCTCCATTCTCTGTGATGCTGTGGCTAGCAGCA
GAGCTCGCCAGTTCATGCCTGGACATACTGTCAGGGCTGGGCCCTCCAGCTAGCTCCTTTGGGGTTGAG
TCCGTATCTTTTTGATGTGGAAGTATAAAGCAAGTATCTTGATTTCTAAACCCAGCAATTTTAGAATTG
ACCTTTATGAGTGAAGACTTTTGGAGCTTTTAAAGACCTTGGCAGTCATGATCTCAAACCAATTAGGAG
CTCCAAGCTCCCTTCCCAGGTAACTGTTGGGAGCAATGGCATCACTGTATGCCCTTGTAATGGCTGGAA
GGGACATGATCTTGTAAGTAGGAAAGCTGTAACTAAAAATTGTATTGTTTGCTTATTAGCCATGTATCT
CTTAAAATTTTGTTATGTTTACAACGATGTACCTTATTGGCAACAAGTTATTAGTTTGATGTTTAACAA
TAGTGCCTTTAGTAAATTATTTTACAACTAAAA
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_006838.4

Summary: The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of this gene is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 2. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Locus ID: 10988

MW: 76.2