

Product datasheet for **SC326546**

MPPED2 (NM_001145399) Human Untagged Clone

Product data:

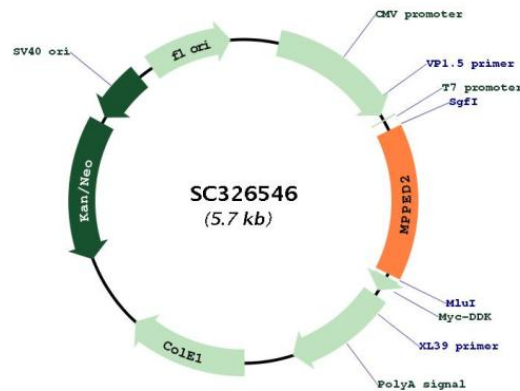
Product Type:	Expression Plasmids
Product Name:	MPPED2 (NM_001145399) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPPED2
Synonyms:	239FB; C11orf8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326546 representing NM_001145399. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGCACATGGGATTCCTTCTCAAGGCAAAGTTACCATAACGGTGGATGAGTACAGCTCAAACCCACC
CAGGCATTCACGCACTACAACATCAACCAGAGCAGATTCCAGCCTCCACATGTACATATGGTCGACCCC
ATCCCATATGACACTCCAAAACCAGCGGGCCACACGCGGTTTGTCTGCATCTCAGACACACTCCAGA
ACAGATGGTATCCAGATGCCTTATGGGGACATCCTTCTCCACACAGGCGATTTACCCGAGCTGGGACTG
CCCTCAGAGGTTAAGAAGTTAATGACTGGTTAGGAAACCTGCCATATGAATATAAAATAGTGATTGCT
GGGAATCATGAACTGACATTTGATAAGGAATTCATGGCAGACCTTGTTAAACAGGACTACTACCGTTTC
CCCTCTGTGTCCAAATTGAAACCAGAGGACTTTGACAATGTTCCAGTCCCTCCTGACAAAACAGTATTTAC
TTACAAGATTCGAGGTAACAGTGAAGGGATTCAGGATATACGGTGCACCTTGGACCCCGTGGTTAAT
GGATGGGGCTTTAACCTACCCAGAGGTCAGTCTCTGCTGGACAAGTGGAACCTCATCCCTGAGGGCATT
GACATACTCATGACACATGGACCTCCTCTAGGTTTTCGAGACTGGGTTCCAAAGGAGCTTCAAAGAGTG
GGCTGTGTGGAGCTGTTAAACACGGTTCAGAGGCGAGTCCGGCCCAAGCTCCATGTGTTGGTGGAATC
CATGAAGTAAACCCTGTGAGCATCTCCAAGGCACTGAGGACAAAAATATGTTCTCTGCCTTCAAAAAT
TCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001145399

Insert Size: 834 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001145399.1](#)

RefSeq Size: 5693 bp

RefSeq ORF: 834 bp

Locus ID: 744

UniProt ID: [Q15777](#)

Cytogenetics: 11p14.1

MW: 31.5 kDa

Gene Summary: This gene likely encodes a metallophosphoesterase. The encoded protein may play a role a brain development. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2009]

Transcript Variant: This variant (2) differs in the 5' and the 3' UTR and contains an alternate exon in the 3' coding region compared to variant 1, that results in a frameshift. It encodes isoform 2, which has a shorter and distinct C-terminus compared to isoform 1.