

Product datasheet for **RG207024**

MPPED1 (NM_001044370) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MPPED1
Synonyms:	239AB; C22orf1; FAM1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207024 representing NM_001044370
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCGCTCTAGGTGGGATGCCAGCGTCTGAAGGCGGAGGCCCTGGCCCTCTCCCTCGCGCCTGG
GCATGGCATTCTCCAGTCCCACGTGATGGCCGCTCGGCGGCACCAGCACAGCCGGCTCATCATCGAGGT
GGACGAGTACAGTCCAACCCACCCAGGCCTTACCTTCTACAACATCAACCAGGGCCGCTTCCAGCCA
CCGCATGTGCAGATGGTGGACCCGGTGCCTCACGATGCCCCAAACCTCCAGGCTACACCCGCTTCGTCT
GCGTCTCTGATACCCACTCGAGGACGACCCATCCAGATGCCGTACGGCGACGTGCTGATCCACGCTGG
GGACTTCACTGAGCTGGGGCTCCCGAGCGAGGTGAAGAAGTTCAACGAGTGGCTGGGCAGCCTGCCCTAC
GAGTACAAGATCGTATCGCAGGCAACCACGAGCTGACCTTTGACCAGGAGTTTCATGGCCGACCTCATCA
AGCAGGACTTTTACTACTTCCCATCTGTGTCGAAGCTGAAGCCGGAGAACTATGAGAATGTGCAGTCGCT
GCTGACCAACTGCATCTACCTTCAAGGACTCGGAGGTACCGTGCAGGGCTTCCGGATCTATGGCTCCCCA
TGGCAGCCCTGGTTCTACGGCTGGGGCTTCAACCTCCCGCAGGCCAAGCCCTGCTGGAGAAATGGAACC
TCATTCCCGAAGGCGTAGACATCCTGATAACCCATGGACCACCACTGGGCTTCTGGACTGGGTCCCAA
GAAGATGCAGCGGTGGGCTGTGTGAGCTGCTCAACACGGTGCAGAGGCGGTCCAGCCGCGTTACAT
GTCTTTGGCCACATCCACGAAGGGTATGGTGTATGGCAGATGGGACGACCACTATGTGAATGCGCTCCG
TATGCACTGTGAATACCAGCCCGTGAACCCGCCCATAGTCATCGACCTCCCCACACCCGGAATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



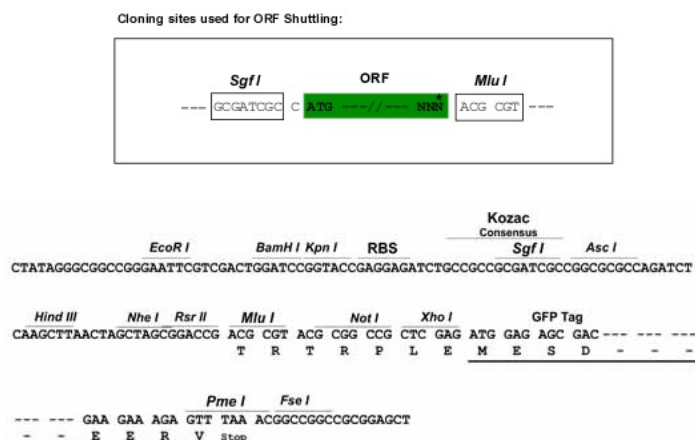
Protein Sequence: >RG207024 representing NM_001044370
Red=Cloning site Green=Tags(s)

MWRSRWDASVLKAEALALLPCGLGMAFSQSHVMAARRHQHSRLIIIEVDYSSNPTQAFTFYINQGRFPQ
PHVQMVDPVPHDAPKPPGYTRFVCSDSHRTDPIQMPYGDVLIHAGDFTELGLPSEVKKFNEWLGSLPY
EYKIVIAAGNHETFQDEFMADLTKQDFYFFPSVKLKPENYENQVSLLTNCIYLDQSEVTVRGFRIFYGSP
WQFWFYWGFGNLPGRQALKEKNLIPGVNDLITGHGPNFLDWPVKKMQRYGCVELLNTQRRVQPRLH
VFGHTIEGYGVMDGNTTYYNAISPEVYNVQYPVNPPIVDLPTPNS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001044370

ORF Size: 978 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001044370.2](#)

RefSeq Size: 2531 bp

RefSeq ORF: 981 bp

Locus ID: 758

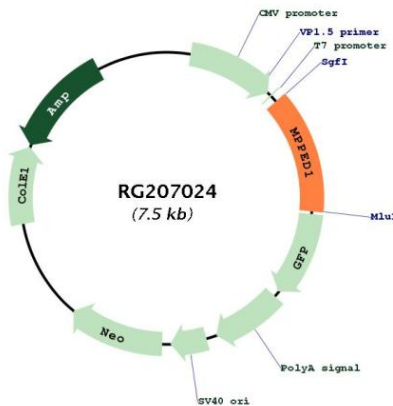
UniProt ID: [O15442](#)

Cytogenetics: 22q13.2

Protein Families: Transcription Factors

Gene Summary: May have metallophosphoesterase activity (in vitro).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207024