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Product datasheet for MC210482

Pgp (NM_025954) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pgp (NM_025954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pgp
Synonyms:	1700012G19Rik; AI481330; AUM; G3PP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210482 representing NM_025954 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGAGGCGGAAGCCGGTGGCGACGAAGCCCGCTGCGTGCGGCTGAGCGCCGAGCGGGCCAAGTTGC TGCTGGCCGAGGTGGACACGCTGCTGTTCGACTGCGATGGCGTGCTGTGGCGCGGTGAGACGGCCGTGCC GGGCGCGCCGGAGACTCTGCGGGCTCTGCGGGCCCGCGGCAAGCGACTGGGCTTCATCACCAACAACAGC AGCAAGACTCGCACGGCCTACGCGGAGAAGCTAAGGCGCTTGGGTTTCGGCGGCCCGGTGGGGCCCGAAG CTGGCCTCGAGGTGTTCGGCACGGCCTATTGCAGCGCGCTCTATCTGCGCCAACGCCTGGCCGGCGTGCC GGACCCCAAGGCCTACGTGCTGGGCAGCCCGGCCTTAGCAGCCGAGCTGGAGGCCGTGGGTGTCACTAGC GTGGGCGTGGGCCCGGACGTGCTTCACGGCGATGGCCCCAGCGACTGGCTAGCCGTGCCGCTCGAACCCG ACGTGCGCGCGGTAGTGGTGGGCTTCGACCCACACTTCAGCTACATGAAGCTCACCAAGGCCGTGCGGTA CCTGCAGCAGCCCGACTGTCTGCTCGTGGGCACCAACATGGACAACCGGCTCCCGCTAGAGAACGGCCGT TTCATTGCGGGTACCGGCTGTCTGGTGCGAGCCGTGGAGATGGCCGCCCAGCGCCAGGCGGACATCATCG GGAAGCCTAGCCGCTTCATCTTCGACTGCGTGTCCCAGGAGTATGGTATCAACCCGGAGCGCACCGTCAT GGTGGGAGACCGCCTGGACACAGACATCCTCCTGGGCTCCACCTGTAGCCTGAAGACTATCCTGACCCTC ACCGGAGTCTCCAGTCTTGAGGATGTGAAGAGCAATCAGGAAAGTGACTGCATGTTCAAGAAGAAAATGG TCCCTGACTTCTATGTTGACAGCATTGCCGACCTCTTGCCTGCCCTTCAAGGTTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_025954
Insert Size:	966 bp

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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).
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_025954.3, NP_080230.2
RefSeq Size:	1038 bp
RefSeq ORF:	966 bp
Locus ID:	67078
UniProt ID:	Q8CHP8
Cytogenetics:	17 A3.3
Gene Summary:	Glycerol-3-phosphate phosphatase hydrolyzing glycerol-3-phosphate into glycerol. Thereby, regulates the cellular levels of glycerol-3-phosphate a metabolic intermediate of glucose, lipid and energy metabolism (PubMed:26755581). Was also shown to have a 2-phosphoglycolate phosphatase activity and a tyrosine-protein phosphatase activity. However, their physiological relevance is unclear (PubMed:26755581, PubMed:24338473). In vitro, has also a phosphatase activity toward ADP, ATP, GDP and GTP (PubMed:24338473).[UniProtKB/Swiss-Prot Function]