

Product datasheet for **RG202453**

GMPR1 (GMPR) (NM_006877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GMPR1 (GMPR) (NM_006877) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GMPR1
Synonyms:	GMPR 1; GMPR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202453 representing NM_006877 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCCGCATAGATGCGGACCTCAAGCTCGACTTCAAGGATGTCCTGCTCCGACCTAAGCGGAGCAGCC
TCAAGAGCCGAGCCGAGGTGGATCTTGAACGCACCTTCACGTTTCGAAATCAAAGCAGACCTACTCAGG
GATTCCCATCATCGTGGCCAACATGGACACTGTGGGCACGTTTGAGATGGCAGCCGTGATGTCACAGCAC
TCCATGTTTACAGCAATTCATAAGCATTACTCCCTGGATGACTGGAAGCTCTTGGCCACAAATCACCCAG
AATGCCTGCAGAATGTAGCCGTGAGTTCAGGCAGTGGCAGAATGATCTGGAAAAGATGACCAGCATCCT
GGAAGCTGTGCCACAGGTTAAGTTTATTTGCCTGGATGTGGCCAATGGGTATTCAGAACATTTTGTGGAA
TTCGTGAAACTTGTCCGTGCCAAATTTCTGAACACACCATTATGGCAGGGAACGTGGTGACAGGAGAAA
TGGTAGAAGAGCTTATTCTTCCGGAGCAGATATCATCAAAGTGGGAGTTGGACCAGGTTCTGTGTGCAC
CACCCGCACCAAGACGGGAGTGGGTACCCCGAGCTGAGTGCCGTATTGAGTGTGCCGACTCTGCCCAT
GGCCTGAAGGGCCACATCATCTGATGGAGGCTGTACGTGTCCAGGGATGTCCGCAAAGCCTTTGGAG
CTGGAGCAGATTTTGTATGCTGGGAGGAATGTTTTCGGGTCATACGGAGTGTGCTGGAGAAGTGATTGA
GAGGAACGGACGGAAGCTCAAGCTCTTCTACGGGATGAGCTCTGACACCCCATGAACAAGCAGCAGGA
GGAGTTGCTGAGTACAGAGCCTCTGAGGGTAAGACTGTGGAAGTTCCTTACAAAGGAGATGTGAAAACA
CTATCCTGGATATTCTCGGGGACTGAGGTCCACGTGCACCTACGTGGGGCCGCCAAACTCAAGGAGCT
CAGCAGGAGGGCAACATTTCATCCGGGTGACCCAGCAGCACAACCCGTGTTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_006877.2](#), [NP_006868.2](#)

RefSeq Size: 1531 bp

RefSeq ORF: 1038 bp

Locus ID: 2766

UniProt ID: [P36959](#)

Cytogenetics: 6p22.3

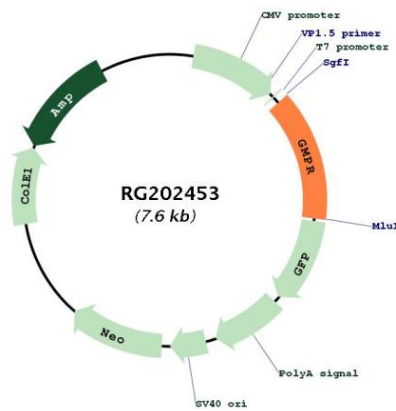
Domains: IMPDH

Protein Families: Druggable Genome

Protein Pathways: Purine metabolism

Gene Summary: This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. The protein also functions in the re-utilization of free intracellular bases and purine nucleosides.[provided by RefSeq, Oct 2009]

Product images:



Circular map for RG202453