

Product datasheet for **TP323106**

GMPR2 (NM_001002002) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human guanosine monophosphate reductase 2 (GMPR2), transcript variant 4, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC223106 protein sequence
Red=Cloning site **Green**=Tags(s)

MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSFSFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKF
SLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVE
FVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIIVKVGIGPGSVCTTRKKTGVGYPLSAVMECADA AH
GLKGHIISDGGCSCPGDVAKAFGAGADFMVLLGMLAGHSESGGELIERDGKKYKLFYGMSSMEMAMKKYAG
GVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAALKKELSRRTTFIRVTQQVNPFI SEAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 37.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001002002](#)

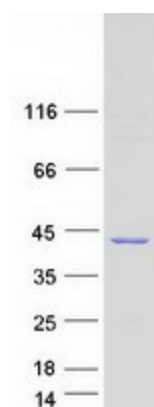
Locus ID: 51292



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|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UniProt ID: | Q9P2T1 |
| RefSeq Size: | 1669 |
| Cytogenetics: | 14q12 |
| RefSeq ORF: | 1044 |
| Synonyms: | GMPR 2 |
| Summary: | This gene encodes an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). The protein also functions in the re-utilization of free intracellular bases and purine nucleosides. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2017] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Purine metabolism |

Product images:



Coomassie blue staining of purified GMPR2 protein (Cat# TP323106). The protein was produced from HEK293T cells transfected with GMPR2 cDNA clone (Cat# [RC223106]) using MegaTran 2.0 (Cat# [TT210002]).