

Product datasheet for **TP303418L**

GMPR2 (NM_001002000) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human guanosine monophosphate reductase 2 (GMPR2), transcript variant 2, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC203418 protein sequence
Red=Cloning site **Green**=Tags(s)

MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSFSFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKF
SLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVE
FVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIIVKIGIGPGSVCTTRKKTGVGYPLSAVMECADAH
GLKGHIISDGGCSCPGDVAKAFGAGADFMVLLGMLAGHSESGGELIERDGKKYKLFYGMSEMEMAMKKYAG
GVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAALKKELSRRTTFIRVTQQVNPFISEAC

TRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

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_001002000](#)

Locus ID: 51292



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UniProt ID: [Q9P2T1](#)

RefSeq Size: 1989

Cytogenetics: 14q12

RefSeq ORF: 1044

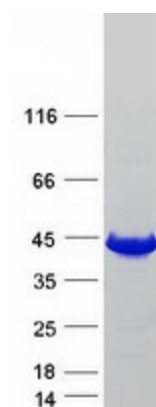
Synonyms: GMPR 2

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# [TP303418]). The protein was produced from HEK293T cells transfected with GMPR2 cDNA clone (Cat# [RC203418]) using MegaTran 2.0 (Cat# [TT210002]).