

## Product datasheet for **TP303418**

### **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, 20 µg

**Species:** Human

**Expression Host:** HEK293T

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

MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSFSFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKF  
SLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVE  
FVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIIVKVGIGPGSVCTTRKKTGVGYPQLSAVMECADA AH  
GLKGHIISDGGCSCPGDVAKAFGAGAD FVMLGGMLAGHSESGGELIERDGKKYKLFYGMSSMEMAMKKYAG  
GVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGA AKLKELSRRTTFIRVTQQVNPIFSEAC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**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

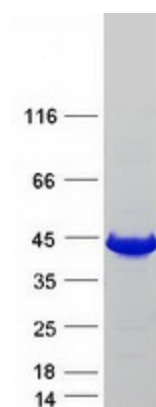
Synonyms: GMPR 2

**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]).