

## Product datasheet for **TP303584**

### **GMPR2 (NM\_016576) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human guanosine monophosphate reductase 2 (GMPR2), transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC203584 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTSCLPALRFIATPRLSAMPIDNDVKLDFKDVLLRPKRSTLKRSEVDLTRSFSFRNSKQTYSGVPIIA  
ANMDTVGTFEMAKVLCKFSLFTAVHKKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQ  
VKYICLDVANGYSEHFVEFVKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIKVGIGPGSVCTTRKKT  
GVGYQLSAVMECADAHAHGLKGHIISDGGCSCPGDVAKAFGAGADFVMLGGMLAGHSESGGELIERDGKK  
YKLFYGMSEMEMMKKYAGGVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAAKLKELSRRTT  
FIRVTQQVNPIFSEAC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	39.6 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_057660</a></u>



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Locus ID: 51292

UniProt ID: [Q9P2T1](#)

RefSeq Size: 1910

Cytogenetics: 14q12

RefSeq ORF: 1098

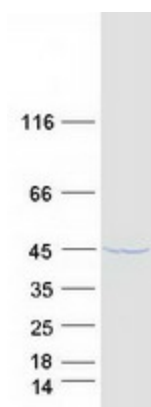
Synonyms: GMPR 2

**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# TP303584). The protein was produced from HEK293T cells transfected with GMPR2 cDNA clone (Cat# [RC203584]) using MegaTran 2.0 (Cat# [TT210002]).