

## Product datasheet for **TP302453L**

### **GMPR1 (GMPR) (NM\_006877) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human guanosine monophosphate reductase (GMPR), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC202453 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPRIDADLKLDFKDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIIVANMDTVGTFEMA AVMSQH  
SMFTAIHKHYSLDDWKL FATNHPECLQNVAVSSGSGQNDLEKMTSILEAVPQVKFICLDVANGYSEHFVE  
FVKLVRAKFP EHTIMAGNVVTGEMVEELILSGADI I KVG V G P G S V C T T R T K T G V G Y P Q L S A V I E C A D S A H  
GLKGHIISDGGCTCPGDVAKAFGAGAD FVMLGGMFSGHTECAGEVIERNGRK L K L F Y G M S S D T A M N K H A G  
GVAEYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGA AKL K E L S R R A T F I R V T Q Q H N T V F S

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 37.2 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\\_006868](#)

**Locus ID:** 2766



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UniProt ID: [P36959](#)

RefSeq Size: 1515

Cytogenetics: 6p22.3

RefSeq ORF: 1035

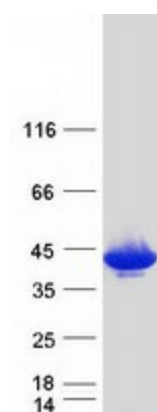
Synonyms: GMPR 1; GMPR1

**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]

**Protein Families:** Druggable Genome

**Protein Pathways:** Purine metabolism

### Product images:



Coomassie blue staining of purified GMPR protein (Cat# [TP302453]). The protein was produced from HEK293T cells transfected with GMPR cDNA clone (Cat# [RC202453]) using MegaTran 2.0 (Cat# [TT210002]).