

Product datasheet for TP302453

GMPR1 (GMPR) (NM_006877) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human guanosine monophosphate reductase (GMPR), 20 µg

Species: Human

Expression Host: HEK293T

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

MPRIDADLKLDFKDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIIVANMDTVGTFEMAAMVMSQH
SMFTAIHKHYSLDDWKL FATNHPECLQNVAVSSGSGQNDLEKMTSILEAVPQVKFICLDVANGYSEHFVE
FVKLVRAKFP EHTIMAGNVVTGEMVEELILSGADIIVKVGVP GSVCTTRTKTG VGY PQLSAVIECADSAH
GLKGHIISDGGCTCPGDVAKAFGAGAD FVMLGGMFSGHTECAGEVIERNGRK LKLFYGMSSDTAMNKHAG
GVAEYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGA AKLKELSR RATFIRVTQQHNTVFS

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

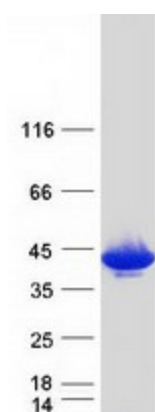
Synonyms: GMPR 1; GMPR1

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]).