

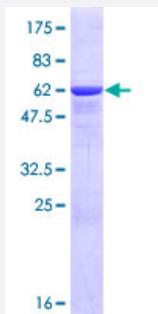
Full-Length

GMPR (Human) Recombinant Protein (P01)

Catalog # H00002766-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GMPR full-length ORF (NP_006868.2, 1 a.a. - 345 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPRIDADLKLDKFDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIVANMDTVGTFEMAAV
MSQHSMFTAIHKHYSLDDWKLFATNHPECLQNAVSSSGSQNDLEKMTSILEAVPQVKFICLDVA
NGYSEHFVEFVKLVRAKFPEHTIMAGNVVTGEMVEELILSGADIIVGVGPGSVCTTRTKTGVGYP
QLSAVIECADSAHGLKGHIISDGGCTCPGDVAKAFGAGADFVMLGGMFSGHTECAGEVIERNGR
KLKLFYGMSSDTAMNKHAGGVAEYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGAACLKE
LSRRATFIRVTQQHNTVFS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GMPR

Entrez GeneID [2766](#)

GeneBank Accession# [NM_006877.2](#)

Protein Accession# [NP_006868.2](#)

Gene Name GMPR

Gene Alias GMPR1

Gene Description guanosine monophosphate reductase

Omim ID [139265](#)

Gene Ontology [Hyperlink](#)

Gene Summary Guanosine monophosphate reductase (EC 1.7.1.7) catalyzes the irreversible NADPH-dependent reductive deamination of guanosine monophosphate (GMP) to inosine monophosphate (IMP). G MPR is able to convert guanosine nucleotides to the pivotal precursor of both guanine (G) and ad enine (A) nucleotides. It plays an important role in maintaining the intracellular balance of A and G nucleotides.[supplied by OMIM]

Other Designations OTTHUMP00000016064|guanine monophosphate reductase

Pathway

- [Purine metabolism](#)

Disease

- [Coronary Artery Disease](#)