

Product datasheet for PH302453

GMPR1 (GMPR) (NM_006877) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GMPR MS Standard C13 and N15-labeled recombinant protein (NP_006868)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202453
Predicted MW:	37.4 kDa
Protein Sequence:	>RC202453 protein sequence Red=Cloning site Green=Tags(s)

MPRIDADLKLDKFDVLLRPKRSSLKSRAEVDLERTFTFRNSKQTYSGIPIIVANMDTVGTFEMAAVMSQH
SMFTAIHKHYSLLDDWKL FATHNPECLQNVAVSSGSGQNDLEKMTSILEAVPQVKFICLDVANGYSEHFVE
FYKLVRAKFPEHTIMAGNVVTGEMVEELILSGADI 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
GLKGHIISDGGCTCPGDVAKAFGAGADFVMLGGMFSGHTECAGEVIERNRKLKLFYGMSSDTAMNKHAG
GVAEYRASEGKTVEVPYKGDVENTILDILGGLRSTCTYVGA AKL KEL SRRATFIRVTQQHNTVFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_006868</u>
RefSeq Size:	1515
RefSeq ORF:	1035
Synonyms:	GMPR 1; GMPR1
Locus ID:	2766



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UniProt ID: [P36959](#)

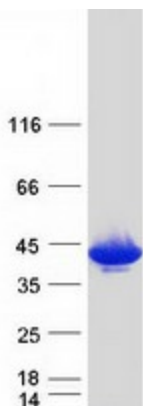
Cytogenetics: 6p22.3

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]).