

## Product datasheet for PH303418

### GMPR2 (NM\_001002000) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GMPR2 MS Standard C13 and N15-labeled recombinant protein (NP_001002000)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203418
Predicted MW:	37.9 kDa
Protein Sequence:	>RC203418 protein sequence Red=Cloning site Green=Tags(s)

MPHIDNDVKLDFKDVLLRPKRSTLKSRSSEVDLTRSFSFRNSKQTYSGVPIIAANMDTVGTFEMAKVLCKF  
SLFTAVHKHYSLVQWQEFAGQNPDCLEHLAASSGTGSSDFEQLEQILEAIPQVKYICLDVANGYSEHFVE  
FYKDVRKRFPQHTIMAGNVVTGEMVEELILSGADIKVGIGPGSVCTTRKKTGVGYPQLSAVMECADAHAH  
GLKGHIISDGGCSCPGDVAKAFGAGADFVMLGGMLAGHSESGGELIERDGKKYKLFYGMSSSEMAMKKYAG  
GVAEYRASEGKTVEVPFKGDVEHTIRDILGGIRSTCTYVGAARKLKRRTTFFIRVTQQVNPIFSEAC

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_001002000</a></u>
RefSeq Size:	1989
RefSeq ORF:	1044
Synonyms:	GMPR 2
Locus ID:	51292



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UniProt ID: [Q9P2T1](#)

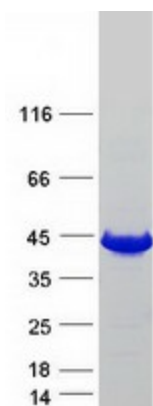
Cytogenetics: 14q12

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# [TP303418]). The protein was produced from HEK293T cells transfected with GMPR2 cDNA clone (Cat# [RC203418]) using MegaTran 2.0 (Cat# [TT210002]).