

## Recombinant Human GMPR Protein

Catalog #	Source	Reactivity	Applications
CRP1632	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human GMPR Protein is produced by our mammalian expression system and the target gene encoding Met1-Ser345 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Liquid in a 0.2 μM filtered solution of 20mM Tris-HCl, 40% glycerol, 0.15mM NaCl and 1mM DTT, pH 8.0.		
<b>Gene Symbol</b>	GMPR		
<b>Alternative Names</b>	GMPR1; GMP reductase 1; Guanosine 5'-monophosphate oxidoreductase 1; Guanosine monophosphate reductase 1		
<b>Entrez Gene</b>	2766 (Human)		
<b>SwissProt</b>	P36959 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	<p>MPRIDADLKL DFKDVLLRPK RSSLKSRAEV DLERTFTFRN SKQTYSGIPI IVANMDTVGT            FEMAAVMSQH SMFTAIHKHY SLDDWKL FAT NHPECLQNVV VSSGSGQNDL EKMTSILEAV            PQVKFICLDV ANGYSEHFVE FVKLVRAKFP EHTIMAGNVV TGEMVEELIL SGADIIVKGV            GPGSVCTTRT KTGVGYPQLS AVIECADSAH GLKGHIISDG GCTCPGDVAK AFGAGADFVM            LGGMFSGHTE CAGEVFERNG RKLKLFYGM S SDTAMNKHAG GVAEYRASEG KTVEVPYKGD            VENTILDILG GLRSTCTYVG AAKLKELSR R ATFIRVTQQH NTVFSVDHHH HHH</p>		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
<b>Storage/Stability</b>	Store it at -20°C to -80°C for one year.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

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