Product Name: Recombinant Human GMPR (C-6His)
Catalog #: PHH0751

Summary

Name	GMP reductase 1/GMPR
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human GMP Reductase 1 is produced by our Mammalian expression system and the target gene encoding Met1-Ser345 is expressed with a 6His tag at the C-terminus.
Accession #	AAH08281.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	38.5 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 40% Glycerol, 150mM NaCl, 1mM DTT, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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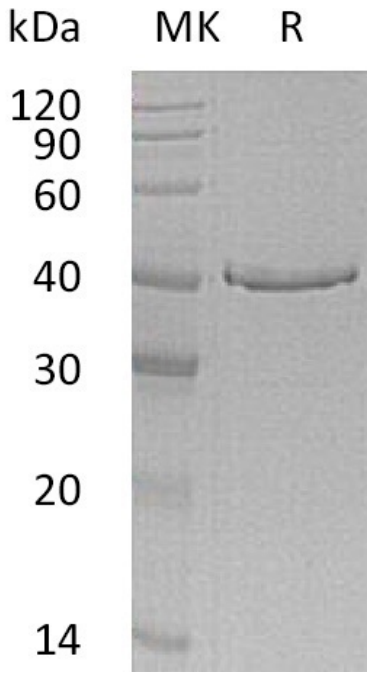

Alternative Names

GMP Reductase 1; Guanosine 5-Monophosphate Oxidoreductase 1; Guanosine Monophosphate Reductase 1; GMPR; GMPR1

Background

GMP Reductase 1 (GMPR) is a member of the IMPDH/GMPR family. GMPR exists as a homotetramer and catalyzes the irreversible NADPH-dependent deamination of GMP to IMP. It functions in the conversion of nucleobase, nucleoside and nucleotide derivatives of G to A nucleotides, and in maintaining the intracellular balance of A and G nucleotides. GMP reductase gene expression may be regulated by MITF. At least two different alleles are known.

Note

For Research Use Only , Not for Diagnostic Use.