

Recombinant Human GMPR Protein (Human Cells, His Tag)

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by Elabscience

Catalog Number:PKSH033290

Note: Centrifuge before opening to ensure complete recovery of vial contents.

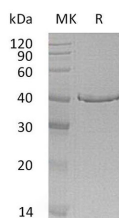
Description

Synonyms	GMP Reductase 1;Guanosine 5'-Monophosphate Oxidoreductase 1;Guanosine Monophosphate Reductase 1;GMPR;GMPR1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ser345
Accession	AAH08281.1
Calculated Molecular Weight	38.5 kDa
Observed molecular weight	40 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 40% Glycerol, 150mM NaCl, 1mM DTT, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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