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Datasheet for ABIN7319242 GMPR Protein (His tag)

Overview

Quantity:	50 µg
Target:	GMPR
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMPR protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human GMPR Protein (Human Cells, His Tag)
Sequence:	Met 1-Ser345
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	GMPR
Alternative Name:	GMPR (GMPR Products)
Background:	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

Target Details

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. Synonym: GMP Reductase 1, Guanosine 5'-Monophosphate Oxidoreductase 1, Guanosine Monophosphate Reductase 1, GMPR, GMPR1

Molecular Weight: 38.5 kDa

UniProt: [P36959](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 40 % glycerol, 0.15M NaCl and 1 mM DTT, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.