

Recombinant Human GMPR, His-tagged

Cat. No. GMPR-13339H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GMPR protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-345a.a.
Description	This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene may be associated with atrial fibrillation. Alternatively spliced transcript variants encoding the same isoform have been described.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GMPR guanosine monophosphate reductase [Homo sapiens]
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Official Symbol	GMPR
Synonyms	GMPR; guanosine monophosphate reductase; GMP reductase 1; guanine monophosphate reductase; guanosine monophosphate reductase 1; guanosine 5-monophosphate oxidoreductase 1; GMPR1;
Gene ID	2766
mRNA Refseq	NM_006877
Protein Refseq	NP_006868
MIM	139265
UniProt ID	P36959
Chromosome Location	6p23
Pathway	Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Purine salvage, organism-specific biosystem;
Function	GMP reductase activity; metal ion binding; oxidoreductase activity;