

Recombinant Human GMPS, GST-tagged

Cat. No. GMPS-13341H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GMPS protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	345-693a.a.
Description	This gene encodes a transmembrane connexin protein that is a component of gap junctions. Mutations in this gene have been associated with erythrokeratoderma variabilis, progressive symmetric erythrokeratoderma and hearing impairment.
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 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	GMPS guanine monophosphate synthetase [Homo sapiens]
Official Symbol	GMPS

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Synonyms	GMPS; guanine monphosphate synthetase; GMP synthase [glutamine-hydrolyzing]; GMP synthase; GMP synthetase; MLL/GMPS fusion protein; glutamine amidotransferase; guanosine 5-monophosphate synthase;
Gene ID	8833
mRNA Refseq	NM_003875
Protein Refseq	NP_003866
MIM	600358
UniProt ID	P49915
Chromosome Location	3q25.31
Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, organism-specific biosystem;
Function	ATP binding; GMP synthase (glutamine-hydrolyzing) activity; GMP synthase activity; ligase activity; nucleotide binding;