

Recombinant Human GNG11, GST-tagged

Cat. No. GNG11-13360H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNG11 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-73a.a.
Description	The protein encoded by this gene is a mitochondrial phosphate-activated glutaminase that catalyzes the hydrolysis of glutamine to stoichiometric amounts of glutamate and ammonia. This protein is functionally similar to the kidney glutaminase but is a little smaller in size. Originally thought to be liver-specific, this protein has been found in other tissues as well. At least one transcribed pseudogene has been found for this gene.
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	GNG11 guanine nucleotide binding protein (G protein), gamma 11 [Homo sapiens]

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Official Symbol	GNG11
Synonyms	GNG11; guanine nucleotide binding protein (G protein), gamma 11; guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-11; G protein gamma 11 subunit; GNGT11; guanine nucleotide binding protein G(I)/G(S)/G(O) gamma 11 subunit; G protein gamma-11 subunit; guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-11 subunit;
Gene ID	2791
mRNA Refseq	NM_004126
Protein Refseq	NP_004117
MIM	604390
UniProt ID	P61952
Chromosome Location	7q31-q32
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of Kainate Receptors upon glutamate binding, organism-specific biosystem; Aquaporin-mediated transport, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem;
Function	GTPase activity; signal transducer activity;