Recombinant Human GNG11, His-tagged

Cat. No. GNG11-5037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GNG11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	GNG11 is a member of the guanine nucleotide-binding protein (G protein) gamma family and encodes a lipid-anchored, cell membrane protein. As a member of the heterotrimeric G protein complex, this protein plays a role in this transmembrane signaling system. This protein is also subject to carboxyl-terminal processing. Decreased expression of this gene is associated with splenic marginal zone lymphomas.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	10.6 kDa (93aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPALHIE DLPEKEKLKM EVEQLRKEVK LQRQQVSKCS EEIKNYIEER SGEDPLVKGI PEDKNPFKEK GSC
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	GNG11 guanine nucleotide binding protein (G protein), gamma 11 [Homo sapiens]
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

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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;

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