

Recombinant Human GNGT1 cell lysate

Cat. No. GNGT1-722HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Description	Heterotrimeric guanine nucleotide-binding proteins (G proteins) transduce extracellular signals received by transmembrane receptors to effector proteins. Transducin is a guanine nucleotide-binding protein found specifically in rod outer segments, where it mediates activation by rhodopsin of a cyclic GTP-specific (guanosine monophosphate) phosphodiesterase. Transducin is also referred to as GMPase. GNGT1 encodes the gamma subunit of transducin (Hurley et al., 1984 [PubMed 6438626]; Scherer et al., 1996 [PubMed 8661128]).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	GNGT1 guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1 [Homo sapiens]
Official Symbol	GNGT1
Synonyms	GNGT1; guanine nucleotide binding protein (G protein), gamma transducing activity

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polypeptide 1; guanine nucleotide-binding protein G(T) subunit gamma-T1; GNG1; transducin gamma chain;

Gene ID [2792](#)

mRNA Refseq [NM_021955](#)

Protein Refseq [NP_068774](#)

MIM [189970](#)

UniProt ID [P63211](#)

Chromosome Location 7q21.3

Pathway ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; ADP signalling through P2Y purinoceptor 12, organism-specific biosystem; Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, 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;

Function GTPase activity; signal transducer activity;

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