

Recombinant Human GNG10 293 Cell Lysate

Cat. No. GNG10-5857HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for guanine nucleotide binding protein (G protein), gamma 10 (GNG10) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	GNG10 guanine nucleotide binding protein (G protein), gamma 10 [Homo sapiens]
Official Symbol	GNG10
Synonyms	guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-10; guanine nucleotide binding protein 10
Gene ID	2790
mRNA Refseq	NM_001017998
Protein Refseq	NP_001017998
MIM	604389
UniProt ID	P50151
Chromosome Location	9q31.3
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Adrenaline,noradrenaline inhibits insulin secretion, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem
Function	GTPase activity; signal transducer activity

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