

Human GNAQ Knockdown Cell Lysate

Cat. No. GNAQ-178HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview	WB-validated GNAQ Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This locus encodes a guanine nucleotide-binding protein. The encoded protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2.
Form	Cell-Tissue Lysis buffer
Molecular Mass	42 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GNAQ KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Alzheimer's disease, Calcium signaling pathway, Gap junction, GnRH signaling pathway, Huntington's disease, Long-term depression, Long-term potentiation, Melanogenesis, Vascular smooth muscle contraction
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GNAQ guanine nucleotide binding protein (G protein), q polypeptide [Homo sapiens (human)]
Official Symbol	GNAQ
Synonyms	GNAQ; guanine nucleotide binding protein (G protein), q polypeptide; guanine nucleotide-binding protein G(q) subunit alpha; G ALPHA q; GAQ; guanine nucleotide-binding protein alpha-q; G-ALPHA-q;
Gene ID	2776
mRNA Refseq	NM_002072
Protein Refseq	NP_002063
MIM	600998

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UniProt ID

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