

Product datasheet for TP309199

GNAQ (NM_002072) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanine nucleotide binding protein (G protein), q polypeptide (GNAQ), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209199 protein sequence Red =Cloning site Green =Tags(s)

MTLESIMACCLSEEAKEARRINDEIERQLRRDKRDARRELKLLLLGTGESGKSTFIKQMRIIHGSGYSDE
DKRGFTKLVYQNIPTAMQAMIRAMDTLKIPYKYEHNKAHAQLVREVDVEKVSFENPYVDAIKSLWNDPG
IQECYDRRREYQLSDSTKYLLNDLDRVADPAYLPTQQDVLVRVPTTGIIIEYDFDLQSVIFRMVDVGGQR
SERRKWIHCFENVTSIMFLValseyDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLLE
EKIMYSHLVDYFPEYDGPQRDAQAAREFILKMFVDLNPDSKIIYSHFTCATDTENIRFVFAAVKDTILQ
LNLKEYNLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

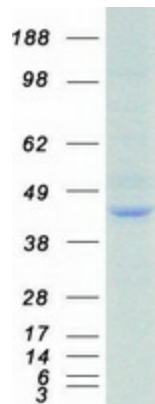
Tag:	C-Myc/DDK
Predicted MW:	42 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_002063</u>



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Locus ID:	2776
UniProt ID:	P50148
RefSeq Size:	6343
Cytogenetics:	9q21.2
RefSeq ORF:	1077
Synonyms:	CMC1; G-ALPHA-q; GAQ; SWS
Summary:	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.[provided by RefSeq, Nov 2010]
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

Product images:



Coomassie blue staining of purified GNAQ protein (Cat# TP309199). The protein was produced from HEK293T cells transfected with GNAQ cDNA clone (Cat# [RC209199]) using MegaTran 2.0 (Cat# [TT210002]).