

Product datasheet for TP312440

CENTG3 (AGAP3) (NM_031946) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human ArfGAP with GTPase domain, ankyrin repeat and PH domain 3 (AGAP3), transcript variant 1, 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC212440 representing NM_031946
Red=Cloning site Green=Tags(s)

MNFQAGGGQSPQQQSLAAPGGGGAAAQQLVCGGQFGGAGPGAGGGGGPSQQLAGGPPQQFALSNSAAIR
 AEIQRFEVHPNIYAIYDLIERIEDLALQNIQIREHVISIEDSFVNSQEWTLRSRVPKLVGIVGNLSSGK
 SALVHRYLTGTYYQEEESPEGGRFKKEIVDGGQSYLLIRDEGGPELQFAAWVDAVVFVFSLEDEISFQT
 VYNYFLRLCSFRNASEVPMVLVGTQDAISAANPRVIDDSRARKLSTDLKRCTYYETCATYGLNVERVFQD
 VAQKVVALRKKQQLAIGPCKSLPNSPSHSAVSAASIPAVHINQATNGGGSAFSDYSSSVSTPSISQREL
 RIETIAASSTPTPIRKQSKRRSNIFTSRKGADLDREKAAECKVDSIGSGRAIPIKQGILLKRSGLKSLNK
 EWKKKYVTLCDNGLLTYHPSLHDYMQNIHGKEIDLRTTVKVPKRLPRATPATAPGTSRANGLSVERS
 NTQLGGGTGAPHSASSASLHSEPLSSAWAGPRPEGLHQRSVSSADQWSEATTSPPGMQHPASGPA
 EVLSSSPKLDPPSPHSNRKKHRRKSTGTPRPDGPSSATEEAEESFEFVWSLTGQTWHEASTAEERE
 LWVQSVQAQILASLQGCRAKDKTRLGNQNAALAVQAVRTVRGNSFCIDCDAPNPDWASLNLGALMCIEC
 SGIHRHLGAHLSRVRSLDLDWPELLAVMTAMGNALANSVWEGALGGYSKPGPDACREEKERWIRAKYE
 QKLFLAPLPSSDVPLGQQLLRAVVEDDLRLLVMLLAHGSKEEVNETYGDGDGRTALHLSSAMANVFTQL
 LIWYGVDRSRDARGLTPLAYARRAGSQECADILIQHGCPGEGCGLAPTPNREPANGTNPSAELHRSPSL
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

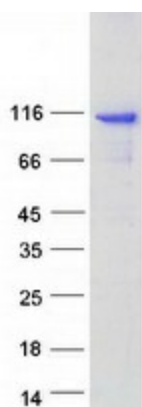
Tag: C-Myc/DDK
Predicted MW: 97.8 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

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:	NP_114152
Locus ID:	116988
UniProt ID:	Q96P47 , Q86XV5
RefSeq Size:	3247
Cytogenetics:	7q36.1
RefSeq ORF:	2733
Synonyms:	AGAP-3; CENTG3; cnt-g3; CRAG; MRIP-1
Summary:	This gene encodes an essential component of the N-methyl-D-aspartate (NMDA) receptor signaling complex which mediates long-term potentiation in synapses by linking activation of NMDA receptor to alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor trafficking. The encoded protein contains an N-terminal GTPase-like domain, a pleckstrin homology domain, an ArfGAP domain and several C-terminal ankryn repeat domains. [provided by RefSeq, Apr 2017]

Product images:



Coomassie blue staining of purified AGAP3 protein (Cat# TP312440). The protein was produced from HEK293T cells transfected with AGAP3 cDNA clone (Cat# [RC212440]) using MegaTran 2.0 (Cat# [TT210002]).