

Product datasheet for TP312440M

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, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC212440 representing NM_031946
Red=Cloning site Green=Tags(s)

MNFQAGGGQSPQQQSLAAPGGGGAAAQQLVCGGQFGGAGPGAGGGGGPSQQLAGGPPQQFALSNSAAIR
 AEIQRFEVHPNIYAIYDLIERIEDLALQNQIREHVISIEDSFVNSQEWTLRSRVPKLVGIVGNLSSGK
 SALVHRYLTGTYYQEESEPGRFKKEIVDGGQSYLLIRDEGGPELQFAAWVDAVVFVFSLEDEISFQT
 VYNYFLRLCSFRNASEVPMVLVGTQDAISAANPRVIDDSRARKLSTDLKRCTYYETCATYGLNVERVFQD
 VAQKVVALRKKQQLAIGPCKSLPNSPSHSAVSAASIPAVHINQATNGGGSAFSDYSSSVSTPSISQREL
 RIETIAASSTPTPIRKQSKRRSNIFTSRKGADLDREKAAECKVDSIGSGRAIPIKQGILLKRSGLSLNK
 EWKKKYVTLCDNGLLTYHPSLHDYMQNIHGKEIDLRTTVKVPKRLPRATPATAPGTSRANGLSVERS
 NTQLGGGTGAPHSASSASLHSEPLSSAWAGPRPEGLHQRSVSSADQWSEATSLPPGMQHPASGPA
 EVLSSSPKLDPPSPHSNRKKHRRKSTGTPRPDGPSSATEEAEESFEFVWSLTGQTWHEASTAEERE
 LWVQSVQAQILASLQGCRAKDKTRLGNQNAALAVQAVRTVRGNSFCIDCDAPNPDWASLNGLALMCIEC
 SGIHRHLGAHLSRVRSLDLDWPELLAVMTAMGNALANSVWEGALGGYSKPGPDACREEKERWIRAKYE
 QKLFLAPLPSSDVPLGQQLLRAVVEDDLRLLVMLLAHGSKEEVNETYGDGDGRTALHLSSAMANVFTQL
 LIWYGVDVRSRDARGLTPLAYARRAGSQECADILIQHGCPGEGCLAPTPNREPANGTNPSAELHRSPSL
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

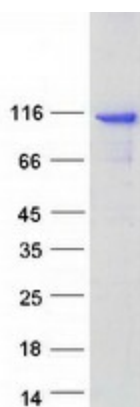
Tag: C-Myc/DDK
Predicted MW: 97.8 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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|----------------------|---|
| 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]).