

## Product datasheet for PH312440

### CENTG3 (AGAP3) (NM\_031946) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AGAP3 MS Standard C13 and N15-labeled recombinant protein (NP_114152)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212440
Predicted MW:	97.8 kDa
Protein Sequence:	>RC212440 representing NM_031946 Red=Cloning site Green=Tags(s)

MNFQAGGGQSPQQQSLAAPGGGAAAQQLVCGGQFGGAGPGAGGGGSPSQQLAGPPQQFALSNSAAIR  
AEIQRFEVHPNIYAIYDLIERIEDLALQNQIREHVISIEDSFVNSQEWTLRSVPPELVKVGIVGNLSSGK  
SALVHRYLTGTYVQEESPEGGRFKKEIVVDGQSYLLLIRDEGGPELQFAAWVDVAVFVFSLEDEISFQT  
VYNYFLRLCSFRNASEVPMVLVGTQDAISAANPRVIDDSRARKLSTDLLKRCYTYETCATYGLNVERVFQD  
VAQKVVALRKKQQLAIGPCKSLPNSPSHSAVSAASIPAVHINQATNGGSAFSDYSSVSTPSPISQREL  
RIETIAASSTPTPIRKQSKRRSNIFTSRKGADLDREKKAEECKVDSIGSGRAIPKQIGILLKRSKSLNK  
EWKIKYVTLCDNGLLTYHPSLDHYMQNIHGKEIDLLRRTTVKVPGRKLRPRATPATAPGTSRANGLSVERS  
NTQLGGGTGAPHSASSASLHSEPLSSAWAGPRPEGLHQRSVSSADQWSEATSLPPGMQHPASGPA  
EVLSSPKLDPPPSPHSNRKHKRRKSTGTPRPDGPSSATEEAEESEFEFVVVSLTGQTWHEASTAEERE  
LWVQSVQAQILASLQGCRAKDKTRLGNQNAALAVQAVRTVVRGNSFCIDCDAPNPDWASLNLGALMCIEC  
SGIHRHLGAHLRVRSLLDDWPPELLAVMTAMGNALANSVWEGALGGYSKPGPDACREEKERWIRAKYE  
QKFLAPLPSSDVPVLLRAVVEDDLRLLVMLLAHGSKEEVNETYGDGDGRTALHLSSAMANVFTQL  
LIWYGVDRSRDARGLTPLAYARRAGSQECADILIQHGCPGEGGLAPTPNREPANGTNPSELHRSPSL  
L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.

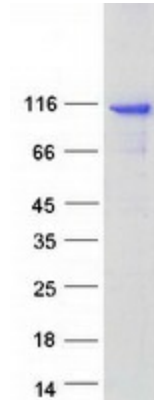


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RefSeq:	<a href="#">NP_114152</a>
RefSeq Size:	3247
RefSeq ORF:	2733
Synonyms:	AGAP-3; CENTG3; cnt-g3; CRAG; MRIP-1
Locus ID:	116988
UniProt ID:	<a href="#">Q96P47</a> , <a href="#">Q86XV5</a>
Cytogenetics:	7q36.1

**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]).