

Product datasheet for PH311342

Chimaerin 2 (CHN2) (NM_004067) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CHN2 MS Standard C13 and N15-labeled recombinant protein (NP_004058)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211342
Predicted MW:	53.9 kDa
Protein Sequence:	>RC211342 protein sequence Red=Cloning site Green=Tags(s)

MAASSNSLSGSSVSSDAEEYQPPIWKSYLYQLQQEAPRPKRIICPREVENRPKYYGREFHGIISREQAD
ELLGGVEGAYILRESQRQPGCYTLALRFGNQTLNYRLFHDGKHFVGEKRFESIHDLVTDGLITLYIETKA
AEYISKMTTNPITYEHIGYATLLREKVSRRLSRSKNEPRKTNVTHEEHTAVEKISSLVRRALTHNDNHFN
YEKTHNFKVHTFRGPHWCEYCANFMWGLIAQGVRCSDCGLNVHKQCSKHPNDQCQPDLKRIKKVYCCDLT
TLVKAHNTQRPMVVDICIREIEARGLKSEGLYRVSGFTEHIEDVKMAFDRDGEKADISANVYPDINIITG
ALKLYFRDLPIPVITYDTYSKFIDAAKISNADERLEAVHEVLMMLPPAHYETLRYLMIHLKKVTMNEKDN
FMNAENLGIVFGPTLMRPPEDSTLTTLHDMRYQKLIQILINEDVLF

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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.
RefSeq:	<u>NP_004058</u>
RefSeq Size:	3461
RefSeq ORF:	1404
Synonyms:	ARHGAP3; BCH; CHN2-3; RHOGAP3



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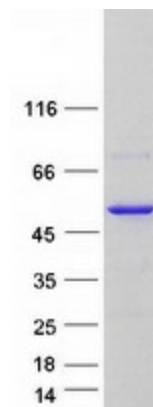
Locus ID: 1124

UniProt ID: [P52757](#), [A0A2X0TVW3](#)

Cytogenetics: 7p14.3

Summary: This gene encodes a guanosine triphosphate (GTP)-metabolizing protein that contains a phorbol-ester/diacylglycerol (DAG)-type zinc finger, a Rho-GAP domain, and an SH2 domain. The encoded protein translocates from the cytosol to the Golgi apparatus membrane upon binding by diacylglycerol (DAG). Activity of this protein is important in cell proliferation and migration, and expression changes in this gene have been detected in cancers. A mutation in this gene has also been associated with schizophrenia in men. Alternative transcript splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, May 2014]

Product images:



Coomassie blue staining of purified CHN2 protein (Cat# [TP311342]). The protein was produced from HEK293T cells transfected with CHN2 cDNA clone (Cat# [RC211342]) using MegaTran 2.0 (Cat# [TT210002]).