

Recombinant Human CHN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHN2-1486H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHN2 MS Standard C13 and N15-labeled recombinant protein (NP_004058) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	53.9 kDa
AA Sequence	MAASSNSSLSGSSVSSDAEEYQPPIWKSPLYQLQQEAPRPKRIICPREVENRPKYY GREFHGIISREQADELLGGVEGAYILRESQRQPGCYTLALRFGNQTLNRYLFHDGKH FVGEKRFESIHDLVTDGLITLYIETKAAEYISKMTTNPIYEHIGYATLLREKVSRRLSRS KNEPRKNTNVTHEEHTAVEKISSLVRRRAALTHNDNHFNYEKTHNFKVHTFRGPHWCE YCANFMWGLIAQGVRCSDCGLNVHKQCSKHVPNDCQPDLKRIKKVYCCDLTTLVKA

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HNTQRPMVVDICIREIEARGLKSEGLYRVSGFTEHIEDVKMAFDRDGEKADISANVYP
DINIITGALKLYFRDLPIPVITYDTYSKFIDAAKISNADERLEAVHEVLMLLPPAHYETLR
YLMIHLLKKVTMNEKDNFMNAENLGIVFGPTLMRPPEDSTLTTLHDMRYQKLIVQILIE
NEDVLFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CHN2 chimerin 2 [Homo sapiens (human)]

Official Symbol CHN2

Synonyms CHN2; chimerin (chimaerin) 2; beta-chimaerin; ARHGAP3; beta chimerin; RhoGAP3; beta-chimerin; beta3-chimaerin; rho-GTPase-activating protein 3; BCH; CHN2-3; RHOGAP3; MGC138360;

Gene ID 1124

mRNA Refseq NM_004067

Protein Refseq NP_004058

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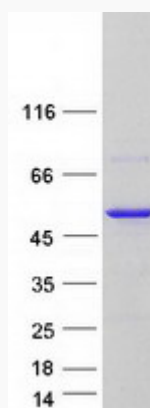
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MIM 602857

UniProt ID P52757

SDS-PAGE



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