

Recombinant Human CHN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHN1-3758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CHN1 MS Standard C13 and N15-labeled recombinant protein (NP_001813) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes GTPase-activating protein for ras-related p21-rac and a phorbol ester receptor. It is predominantly expressed in neurons, and plays an important role in neuronal signal-transduction mechanisms. Mutations in this gene are associated with Duane's retraction syndrome 2 (DURS2). Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Molecular Mass	53 kDa
AA Sequence	MALTLDFTDEYRPPVWKSYLEYQLQAEAPHRRITCTCEVENRPKYYGREFHGMISR EAADQLLIVAEGSYLIRESQRQPGTYTLALRFGSQTRNFRLYYDGKHFVGEKRFESI HDLVTDGLITLYIETKAAEYIAKMTINPIYEHVGYTTLNREPAYKKHMPVLKETHDERD STGQDGVSEKRLTSLVRRATLKENEQIPKYEKIHNFKVHTFRGPHWCEYCANFMWG LIAQGVKCADCGLNVHKQCSKMVPNDCKPDLKHVKKVYSCDLTTLVKAHTTKRPMV VDMCIREIESRGLNSEGLYRVSGFSDLIEDVKMAFDRDGEKADISVNMIEDINIITGAL KLYFRDLPIPLITYDAYPKFIESAKIMDPDEQLETLHEALKLLPPAHCETLRYLMAHLKR VTLHEKENLMNAENLGIVFGPTLMRSPELDAMAALNDIRYQRLVVELLIKNEIDILFTRT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	RPLEQKLISEEDLAANDILDYKDDDDKV
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	CHN1 chimerin 1 [Homo sapiens (human)]
Official Symbol	CHN1
Synonyms	CHN1; chimerin (chimaerin) 1; CHN, Duane retraction syndrome 2, DURS2; N-chimaerin; ARHGAP2; Chimerin 1 (GTPase activating protein; rho; 2); n chimerin; RhoGAP2; n-chimerin; A-chimaerin; a2-chimaerin; alpha-chimerin; Rho GTPase-activating protein 2; NC; CHN; DURS2; RHOGAP2;
Gene ID	1123
mRNA Refseq	NM_001822
Protein Refseq	NP_001813
MIM	118423

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