

Recombinant Human CALB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CALB1-6308H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CALB1 MS Standard C13 and N15-labeled recombinant protein (NP_004920) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the calcium-binding protein superfamily that includes calmodulin and troponin C. Originally described as a 27 kDa protein, it is now known to be a 28 kDa protein. It contains four active calcium-binding domains, and has two modified domains that are thought to have lost their calcium binding capability. This protein is thought to buffer entry of calcium upon stimulation of glutamate receptors. Depletion of this protein was noted in patients with Huntington disease.
Molecular Mass	30 kDa
AA Sequence	MAESHLQSSLITASQFFEIWLHFDADGSGYLEGKELQNLIQELQQARKKAGLELSPE MKTFFVDQYGQRDDGKIGIVELAHVLPTEENFLLLFRCQQLKSCEEFMKTWRKYDTD HSGFIETEELKNFLKDLLEKANKTVDDTKLAEYTDMLKLFDSSNNDGKLELTEMARLL PVQENFLLKFQGIKMGKEFNKAFELYDQDGNGYIDENELDALLKDLCEKNKQDLDI NNITTYKKNIMALSDGGKLYRTDLALILCAGDNTRTRPLEQKLISEEDLAANDILDYKD DDDKV

 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

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.

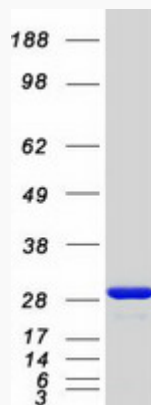
GENE INFORMATION

Gene Name	CALB1 calbindin 1 [Homo sapiens (human)]
Official Symbol	CALB1
Synonyms	CALB1; calbindin 1, 28kDa; CALB; calbindin; D-28K; calbindin D28; RTVL-H protein; calbindin 1, (28kD); vitamin D-dependent calcium-binding protein, avian-type;
Gene ID	793
mRNA Refseq	NM_004929
Protein Refseq	NP_004920
MIM	114050
UniProt ID	P05937

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SDS-PAGE

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