

Recombinant Full Length Human CALB1 Protein, C-Flag-tagged

Cat. No. CALB1-2030HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CALB1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	29.8 kDa
AA Sequence	MAESHLQSSLITASQFFEIWLHFDADGSGYLEGKELQNLIQELQQARKKAGLELSPE MKT FVDQY GQRDD GKIGIVELAHVLPTEENFLLLFRCQQLKSCEEFMKTWRKYDTD HSGFIETEELKNFLKDLLEKANKTVDD TKLAEYTDLMLKLFDSDNNDGKLELTEMARLL PVQENFLLKFQGIKMGKEFNKAFELYDQDGNGYIDENE LDALLKDLCEKNKQDLDI NNITTYKKNIMALSDGGKLYRTDLALILCAGDN TRTRPLEQKLISEEDLAANDILDYKD

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	DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	CALB1 calbindin 1 [Homo sapiens (human)]
Official Symbol	CALB1
Synonyms	CALB; D-28K
Gene ID	793
mRNA Refseq	NM_004929.4
Protein Refseq	NP_004920.1
MIM	114050

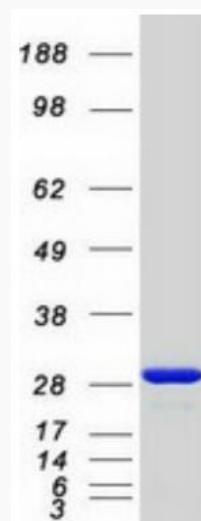
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UniProt ID

P05937



Coomassie blue staining of purified CALB1 protein.

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