

Recombinant Full Length Human CALB1 Protein, GST-tagged

Cat. No. CALB1-3045HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CALB1 full-length ORF (NP_004920.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 261 amino acids

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. [provided by RefSeq, Jan 2015]

Molecular Mass 56.4 kDa

AA Sequence MAESHLQSSLITASQFFEIWLHFDADGSGYLEGKELQNLIQELQQARKKAGLELSPE
MKTFFVDQYGQRDDGKIGIVELAHVLPTEENFLLLFRCQQLKSCEEFMKTWRKYDTD
HSGFIETEELKNFLKDLLEKANKTVDDTKLAEYTDLMLKLFDSNNDGKLELTEMARLL
PVQENFLLKFQGIKMGKFEFNKAFELYDQDGNGYIDENELDALLKDLCEKNKQDLDI
NNITTYKKNIMALSDGGKLYRTDLALILCAGDN

 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



Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CALB1 calbindin 1, 28kDa [Homo sapiens]
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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