

Recombinant Human CALB1 Protein, His-tagged

Cat. No. CALB1-355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALB1 Protein (Glu3-Asn261) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu3-Asn261
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5 kDa Accurate Molecular Mass: 30 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CALB1 calbindin 1 [Homo sapiens (human)]
Official Symbol	CALB1
Synonyms	CALB1; calbindin 1; CALB; D-28K; calbindin; RTVL-H protein; calbindin 1, (28kD); calbindin 1, 28kDa; calbindin 27; calbindin D28; vitamin D-dependent calcium-binding protein, avian-type
Gene ID	793
mRNA Refseq	NM_004929
Protein Refseq	NP_004920
MIM	114050
UniProt ID	P05937

 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