

## Recombinant Human CALB1, His-tagged

Cat. No. CALB1-10656H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human CALB1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.

**Species** Human

**Source** E.coli

**ProteinLength** 109-262a.a.

**Description** Calbindin is a calcium-binding protein belonging to the troponin C superfamily. It was originally described as a 27-kD protein induced by vitamin D in the duodenum of the chick. In the brain, its synthesis is independent of vitamin-D-derived hormones. Calbindin contains 4 active calcium-binding domains, and 2 modified domains that presumably have lost their calcium-binding capacity. The neurons in brains of patients with Huntington disease are calbindin-depleted.

**Storage** The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

**Storage Buffer** 1M PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

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

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Official Symbol</b>	CALB1
<b>Synonyms</b>	CALB1; calbindin 1, 28kDa; CALB; calbindin; D-28K; calbindin D28; RTVL-H protein; calbindin 1, (28kD); vitamin D-dependent calcium-binding protein, avian-type;
<b>Gene ID</b>	793
<b>mRNA Refseq</b>	NM_004929
<b>Protein Refseq</b>	NP_004920
<b>MIM</b>	114050
<b>UniProt ID</b>	P05937
<b>Chromosome Location</b>	8p11
<b>Pathway</b>	Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem;
<b>Function</b>	calcium ion binding; vitamin D binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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