

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 ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CALB1 calbindin 1, 28kDa [Homo sapiens]
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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
Chromosome Location	8p11
Pathway	Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem;
Function	calcium ion binding; vitamin D binding;