

Recombinant Human CALB2, His-tagged

Cat. No. CALB2-27214TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Calretinin , with N terminal His-tag; 291aa, MWt 33.7kDa inclusive of tag.
Species	Human
Source	E.coli
ProteinLength	271 amino acids
Description	This gene encodes an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Molecular Weight	33.700kDa
Tissue specificity	Brain.
Form	Liquid

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, pH 8
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAGPQQQPPY LHAEELTASQ FLEIWKHFDA DGNGYIEGKE LENFFQELEK ARKGSGMMSK SDNFGEKMKE FMQKYDKNSD GKIEMAELAQ ILPTEENFLL CFRQHVGSST EFMEAWRKYD TDRSGYIEAN ELKGFLSDLL KKANRPYDEP KLQEYQTIL RMFDLNGDGK LGLSEMSRLL PVQENFLLKF QGMKLTSEEF NAIFTFYDKD RSGYIDEHEL DALLKDLYEK NKKEMNIQQL TNYRKSVMMSL AEAGKLYRKD LEIVLCSEPP M
Sequence Similarities	Belongs to the calbindin family. Contains 6 EF-hand domains.

GENE INFORMATION

Gene Name	CALB2 calbindin 2 [Homo sapiens]
Official Symbol	CALB2
Synonyms	CALB2; calbindin 2; calbindin 2, 29kDa (calretinin); calretinin; CAL2;
Gene ID	794
mRNA Refseq	NM_001740
Protein Refseq	NP_001731

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MIM	114051
Uniprot ID	P22676
Chromosome Location	16q22.2
Function	calcium ion binding;

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