

Recombinant Full Length Human CALB2 Protein, GST-tagged

Cat. No. CALB2-3046HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CALB2 full-length ORF (NP_009018.1, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	179 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. [provided by RefSeq, Jun 2010]
Molecular Mass	47.1 kDa
AA Sequence	MAGPQQPPPYLHLAELTASQFLEIWKHFDADGNGYIEGKELENFFQELEKARKGSG MMSKSDNFGEKMKEFMQKYDKNSDGKIEMAELAQILPTEENFLLCFRQHVGSAAEF MEAWRKYDTRSGYIEANELKGFLSDLLKKANRPYDEPKLQEYQTILRMFDLNGD GKLGLSEMSRA
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	CALB2 calbindin 2 [Homo sapiens]
Official Symbol	CALB2
Synonyms	CALB2; calbindin 2; calbindin 2, 29kDa (calretinin); calretinin; CAL2; calbindin D29K; 29 kDa calbindin; calbindin 2, (29kD, calretinin); CR; CAB29;
Gene ID	794
mRNA Refseq	NM_001740
Protein Refseq	NP_001731
MIM	114051
UniProt ID	P22676