

# Recombinant Full Length Human CALB2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CALB2 full-length ORF (NP_009018.1, 1 a.a. - 179 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	179 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	47.1 kDa
<b>AA Sequence</b>	MAGPQQQPPYLHLAELTASQFLEIWKHFDADGNGYIEGKELENFFQELEKARKGSG MMSKSDNFGEKMKEFMQKYDKNSDGKIEMAELAQILPTEENFLLCFRQHVGS SAEF MEAWRKYDTRSGYIEANELKGFLSDLLKKANRPYDEPKLQEY TQTILRMFDLNGD GKLG LSEMSRA
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay

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Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

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

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