

Recombinant Human CALB2, GST-tagged

Cat. No. CALB2-10657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALB2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-271a.a.
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.
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 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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
Chromosome Location	16q22.2
Function	calcium ion binding;