

Recombinant Human Calbindin 2, His-tagged

Cat. No. CALB2-2796H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CALB2 protein (1-271 aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-271 a.a.
Description	CALB2 is 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.
Sequences	MGSSHHHHHH SSGLVPRGSH MAGPQQQPPY LH LAELTASQ 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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol.
Molecular Weight	33.7kDa (291 aa), confirmed by MALDI-TOF.

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Purity	> 95% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	CALB2 calbindin 2 [Homo sapiens]
Synonyms	CALB2;calbindin 2; 29 kDa calbindin; calbindin 2, (29kD, calretinin); calbindin D29K; calretinin; CAB29; CAL2; CR
Gene ID	794
mRNA Refseq	NM_001740
Protein Refseq	NP_001731
MIM	114051
UniProt ID	P22676
Chromosome Location	16q22.2
Function	calcium ion binding

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