

Calbindin1 Recombinant Protein | CALB1 recombinant protein

Calbindin1, 1-261aa, Human, E Coli

CATALOG # AAA48557	HOST E Coli	APPLICATIONS SDS-Page
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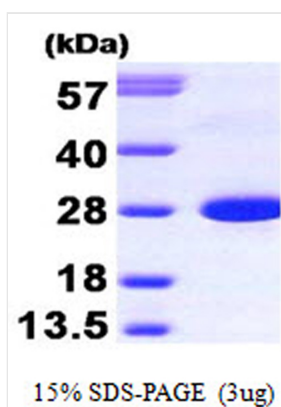
PRODUCT SYNONYMS

Calbindin1; 1-261aa; Human; E Coli; CAB27; Calbindin D28; D-28K; CALB1; calbindin 1 28kDa; CALB; ; CALB1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 2mM EDTA
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MAESHLQSSL ITASQFFEIW LHFADGSGY LEGKELQNLI QELQQARKKA GLELSPMKT FVDQYGQRDD GKIGIVELAH VLPTEENFLL LFRQQLKSC EEFMKTWRKY DTDHSGFIET EELKNFLKDL LEKANKTVDD TKLAEYTDLM LKLFDNNDG KLELTEMARL LPVQENFLK FQGIKMGKE FNKAFELYDQ DGNGYIDENE LDALLKDLCE KNKQDLINN ITTYKKNIMA LSDGGKLYRT DLALILCAGD N
Sequence Length	261
Applicable Applications for CALB1 recombinant protein	SDS-PAGE
Antigen Species	Human
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CALB1 recombinant protein	Calbindin 1 is a calcium binding protein belonging to the troponin C superfamily. Calbindin is expressed in neural tissues. It plays an essential role in calcium regulation (including calcium transport and uptake, calcification of bone and teeth) and calcium related signalling in neurons and transiently in embryological development. This calbindin also has a role in protecting neurons from apoptotic cell death. Disregulation of this calbindin protein relates to epilepsy, amyotrophic lateral sclerosis, Huntington's disease. Recombinant human Calbindin1 was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for CALB1 recombinant protein	Neuroscience
References	Heizmann CW., et al. (1988) J Cardiovasc Pharmacol. 5:S30-7.; Kaqi u., et al. (1988) Cell Tissue Res. 252 (2):359-65. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826655
NCBI GeneID	793
NCBI Accession #	NP_004920
NCBI GenBank Nucleotide #	NM_004929.3
UniProt Accession #	P05937; B2R696; B7Z9J4
Molecular Weight	30 kDa (261aa), confirmed by MALDI-TOF.
NCBI Official Full Name	calbindin
NCBI Official Synonym Full Names	calbindin 1
NCBI Official Symbol	CALB1
NCBI Official Synonym Symbols	CALB; D-28K
NCBI Protein Information	calbindin
UniProt Protein Name	Calbindin
UniProt Gene Name	CALB1
UniProt Synonym Gene Names	CAB27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.