

AR09264PU-L

Human Calbindin (1-261) - Purified

Alternate names:

CAB27, CALB1, Calbindin D28, D-28K, Vitamin D-dependent calcium-binding protein

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P05937](#)

NCBI:

[NP_004920](#)

GeneID:

[793](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 2 mM EDTA

Description:

Recombinant human Calbindin1 was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MAESHLQSSL ITASQFFEIW LHFADADGSY LEGKELQNLI QELQQARKKA GLELSPEMKT
FVDQYGGQRDD GKIGIVELAH VLPTEENFLL LFRCQQLKSC EEFMKTWRKY DTDHSGFIET
EELKNFLKDL LEKANKTVDD TKLAEYTDLM LKLFDSDNDG KLELTEMARL LPVQENFLK
FQGIKMGKE FNKAFELYDQ DNGYIDENE LDALLKDLCE KNKQDLINN ITTYKKNIMA
LSDGGKLYRT DLALILCAGD N

Molecular weight: kDa (261 aa)

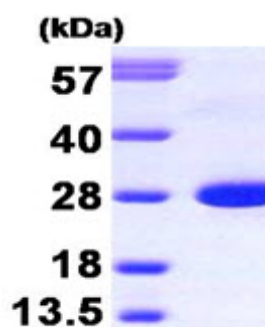
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human Calbindin 1, 1-261
aa: 15% SDS-PAGE (3 µg)

