

Calbindin1, 1-261 aa, Human, Recombinant, E.coli

Cat.NO.: TP01404

3th Edition

Synonyms:CAB27, Calbindin D28, D-28K, CALB1.

Description: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.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 10% glycerol, 2mM EDTA

Molecular Weight:30 kDa (261aa)

Sequences:

MAESHLQSSLITASQFFEIWLHFDADGSGYLEGKELQNLIQELQQARKKAGLELSPEMKTFFVDQYQQRDDGKIGIVE
LAHVLPTEENFLLLFRQQLKSCEEFMKTWRKYDTHSGFIETEELKNFLKDLLEKANKTVDDTKLAEYTDLMLKLF
DSNNDGKLELTEMARLLPVQENFLLKFQGIKMGKEFNKAFELYDQDNGYIDENELDALLKDLCEKNKQDLINNII
TTYKKNIMALSDGGKLYRTDLALILCAGDN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.