
Product Data Sheet

Product Name: CALB2 Human
 Cat. No.: GP22952
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Calretinin; CR; CALB2; CAB29; CAL2; CaBP29K; 29 kDa calbindin.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAGPQQPPY LHLAELTASQ FLEIWKHFDA DNGYIEGKE LENFFQELEK ARKGSGMMSK SDNFGKMKKE FMQKYDKNSD GKIEMAELAQ ILPTEENFLL CFRQHVGSST EFMEAWRKYD TDRSGYIEAN ELKGFLSDLL KKANRPYDEP KLQEYTQIL RMFDLNGDGK LGLSEMSRLL PVQENFLLKF QGMKLTSEEF NAIFTFYDKD RSGYIDEHEL DALLKDLYEK NKKEMNIQQL TNYRKSVMMSL AEAGKLYRKD LEIVLCSEPP M.		
Formulation	The CALB2 1mg/ml protein solution contains 20mM Tris-HCl buffer pH-8 & 10% glycerol.		

Introduction

Calretinin is an intracellular calcium-binding protein belonging to the troponin C superfamily characterized by a structural motif described as the EF-hand domain. The immunohistochemical detection of calretinin in developing cerebellum is restricted to the later stages indicated by weak staining from week 21 of gestation, in Purkinje and basket cells and in neurons of the dentate nucleus. The intensity of staining increases as the cerebellum matures. In tumors, calretinin has been detected in mesotheliomas and some pulmonary adenocarcinomas.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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CALB2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 291 amino acids (1-271 a.a.) and having a molecular mass of 33.7kDa. The CALB2 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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