

## Product datasheet for **TP301924M**

### Calretinin (CALB2) (NM\_001740) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human calbindin 2 (CALB2), transcript variant CALB2, 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201924 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAGPQQQPPYLHLAELTASQFLEIWKHFADGNGYIEGKELENFFQELEKARKGSGMMSKSDNFGEKMKE  
FMQKYDKNSDGIEMAELAQILPTEENFLLCFRQHVGSSSTEFMEAWRKYDTRSGYIEANELKGFSLDLL  
KKANRPYDEPKLQEYQTILRMFDLNGDGKLGLEMSRLLPVQENFLLKFQGMKLTSEEFNAIFTFYDKD  
RSGYIDEHELDALLKDLYEKNKKEMNIQQLTNYRKSVMSLAEAGKLYRKDLEIVLCSEPPM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 31.4 kDa

**Concentration:** >0.1 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001731](#)

**Locus ID:** 794

**UniProt ID:** [P22676](#), [A0A140VK08](#)



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RefSeq Size: 1485

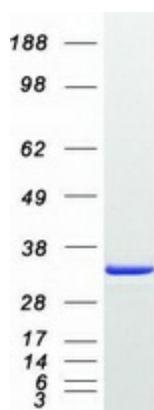
Cytogenetics: 16q22.2

RefSeq ORF: 813

Synonyms: CAB29; CAL2; CR

**Summary:** This gene encodes 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. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

### Product images:



Coomassie blue staining of purified CALB2 protein (Cat# [TP301924]). The protein was produced from HEK293T cells transfected with CALB2 cDNA clone (Cat# [RC201924]) using MegaTran 2.0 (Cat# [TT210002]).