

## Product datasheet for PH301924

### Calretinin (CALB2) (NM\_001740) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CALB2 MS Standard C13 and N15-labeled recombinant protein (NP_001731)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201924
Predicted MW:	31.6 kDa
Protein Sequence:	>RC201924 protein sequence Red=Cloning site Green=Tags(s)  MAGPQQQPPYLHLAELTASQFLEIWKHFDADGNGYIEGKELENFFQELEKARKGSGMMSKSDNFGEKMKE FMQKYDKNSDGKIEMAELAQILPTEENFLLCFRQHVGSSTEFMEAWRKYDTRSGYIEANELKGFLLSDLL KKANRPYDEPKLQEYQTILRMFDLNGDGKLGLEMSRLLPVQENFLLKFQGMKLTSEEFNAIFTFYDKD RSGYIDEHEL DALLKDLYEKNKEMNIQQLTNYRKSVM SLAEAGKLYRKDLEIVLCSEPPM  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001731</a>
RefSeq Size:	1485
RefSeq ORF:	813
Synonyms:	CAB29; CAL2; CR
Locus ID:	794
UniProt ID:	<a href="#">P22676</a> , <a href="#">A0A140VK08</a>

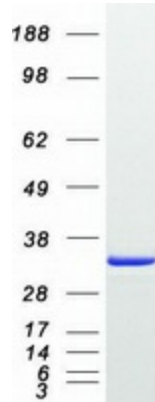


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Cytogenetics: 16q22.2

**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]).