

## Product datasheet for **TP507526**

### Cacnb1 (BC077713) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse calcium channel, voltage-dependent, beta 1 subunit (cDNA clone MGC:69994 IMAGE:30288369), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR207526 representing BC077713 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MVQKSGMSRGPYPSPQEIPMEVFDPS PQGKYSKRKGRFKRSDGSTSSD TTSNSFVRQGS A ESYTSRPSDS DVSLEEDREALRKEAERQAL A QLEKAKTKPVAFVRTN VGYNPSPGDEV PVQGVAITFEPKDFLHIKEY NNDWWIGRLVKEGCEVGFIPSPVKLDSLRL LQEQLRQNR LSSSKSGDNSSSSLGDVVTGTRRPTPPASE HVPPYDVVPSMRPIILVGPLKGYEVT DMMQKALFDL KHRFDGRISITRV TADISLAKRSVLN NPSKHI IIEPSNTRSSLA EVQSEIERIFELARTLQLVALDAD T INHPAQLSKTSLAPIIVYIKITSPKVLQRLIKS RGKSQSKHLNVQIAASEKLAQC PPEMFDIILDENQLEDACEHLAEYLEAYWKATHPPSSTPPNPLLNR TM ATAALAASPAPVSNLQVQVLTSLRRNLSFWGGLEASPRGGDAVAQPQEHAM  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	63.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Locus ID:</b>	12295



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UniProt ID: [Q8R3Z5](#)

RefSeq Size: 1725

Cytogenetics: 11 61.5 cM

RefSeq ORF: 1413

Synonyms: CAB1; Cchb1; Cchl1

**Summary:** Regulatory subunit of L-type calcium channels. Regulates the activity of L-type calcium channels that contain CACNA1A as pore-forming subunit (By similarity). Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit and increases the presence of the channel complex at the cell membrane. Required for functional expression L-type calcium channels that contain CACNA1D as pore-forming subunit. Regulates the activity of L-type calcium channels that contain CACNA1B as pore-forming subunit (By similarity).  
[UniProtKB/Swiss-Prot Function]