

## Product datasheet for TP522874

### Cacnb3 (NM\_001044741) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calcium channel, voltage-dependent, beta 3 subunit (Cacnb3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222874 representing NM_001044741 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSFSDSSATFLLNEGSADSYTSRPSLSDVSLEEDRESARREVESQAQQQLERAKHKPVAFVRTNVSYC  
GVLDEECPVQGGVNF EAKDFLHIKEKYSNDWWIGRLVKEGGDIAFIPSPQRLESIRLKQEQAARRSGNP  
SSLGDIGNRRSPPSLAKQKQKQAEHVPPYDVVPSMRPVVLVGP SLKGYEVTMMQKALFDLKHFRDGR  
ISITRVTADLSLAKRSVLNPNPGKRTIERS SARSSIAEVQSEIERIFELAKSLQLVLDADTINHPAQLA  
KTSLAPIIVFKVSSPKVLQRLIRSRGKSQMKHLTVQMMAYDKLVQCPPE SFDVILDENQLEDACEHLAE  
YLEVYWRATHHPAGPGLLGPPSAIPGLQNQQLGERVEEHSPLERDSLMP SDEASSESRQAWTGSSQRS  
SRHLEEDYADAYQDLYQPHRQHTSGLPSANGHDPQDRLLAQDSEHDHNDRNWQRNRPWPKDSY

**SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	54.8 kDa
Concentration:	>0.05 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
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 after receiving vials.
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:	<u><a href="#">NP_001038206</a></u>
Locus ID:	12297



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UniProt ID:	<u>D3Z3Z3</u>
RefSeq Size:	2688
Cytogenetics:	15 54.64 cM
RefSeq ORF:	1449
Synonyms:	Beta3; Ca(v)beta3; CAB3; Cchb3
Summary:	Regulatory subunit of the voltage-gated calcium channel that gives rise to L-type calcium currents (PubMed:24751537). Increases CACNA1B peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity). Increases CACNA1C peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity).[UniProtKB/Swiss-Prot Function]