

## Product datasheet for **TP500706**

### Calca (NM\_001033954) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calcitonin/calcitonin-related polypeptide, alpha (Calca), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by MR200706 Blue=ORF Red=Cloning site Green=Tag(s)  <p>MGFLKFSPFLVWSILLLYQACSLQAVPLRSILESSPGMATLSEEEVRLLAALVQDYMQMKARELEQEEE QEAEGSSVTAQKRSCNTATCVTHRLAGLLSRSGGVKDNFVPTNVGSEAFGRRRRDLQA TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	Recombinant protein using MR200706 also available, <a href="#">TP500706</a> C-MYC/DDK
Predicted MW:	14.1 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:	<a href="#">NP_001029126</a>
Locus ID:	12310
UniProt ID:	<a href="#">Q99JA0</a>
RefSeq Size:	1022
Cytogenetics:	7 59.99 cM



[View online »](#)

RefSeq ORF: 384

Synonyms: C; CA; Calc; Calc1; Cg; Cgrp; CGRP-1; CGRP1; Ct; Ctn

**Summary:** This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide (CGRP) and katacalcin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and katacalcin, or CGRP, respectively. Calcitonin and katacalcin modulate calcium levels in the blood stream. CGRP can function as a vasodilator and play a role in the transmission of pain. The human homolog of CGRP was found to have antimicrobial activity. [provided by RefSeq, Mar 2015]