

## Product datasheet for **TP502313**

### Scg5 (NM\_009162) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse secretogranin V (Scg5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202313 representing NM_009162 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASRLVSAMLSGLLFWLMFEWNPAPAFAYSPRTPDRVSETDIQRLLHGVMEQLGIARPRVEYPAHQAMNLVG  
PQSIEGGAHEGLQHLGPFGNIPNIVAELTGDNIPKDFSEDQGYDPPNPCPLGKTADDGCLENAPDTAEF  
SREFQLDQHLLFDPEHDYPGLGKWNKLLYEKMKGGQRRKRRSVNPLYQGKRLDNVVAKKSVPHFSEEEKE  
AESGP

**SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	24.3 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_033188</a>
Locus ID:	20394
UniProt ID:	<a href="#">P12961</a> , <a href="#">Q3TT51</a>
RefSeq Size:	1227



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**Cytogenetics:** 2 57.45 cM

**RefSeq ORF:** 645

**Synonyms:** 7B2; AI325031; Sgne-1; Sgne1

**Summary:** Acts as a molecular chaperone for PCSK2/PC2, preventing its premature activation in the regulated secretory pathway. Binds to inactive PCSK2 in the endoplasmic reticulum and facilitates its transport from there to later compartments of the secretory pathway where it is proteolytically matured and activated. Also required for cleavage of PCSK2 but does not appear to be involved in its folding. Plays a role in regulating pituitary hormone secretion. The C-terminal peptide inhibits PCSK2 in vitro.[UniProtKB/Swiss-Prot Function]