

## Product datasheet for TP326541

### Secretogranin V (SCG5) (NM\_001144757) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human secretogranin V (7B2 protein) (SCG5), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226541 representing NM_001144757 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVSRMVSTMLSGLLFWLASGWTPAFAYSPRTPDRVSEADIQRLLHGVMEQLGIARPRVEYPAHQAMNLVG  
PQSIEGGAHEGLQHLGPFGNIPNIVAELTGDNIPKDFSEDQGYDPPNPCVPVGTDDGCLENTPDTAEFS  
REFQLHQHLFDPEHDYPGLGKWNKKLLYEKMKGGERRRRSVNPYLQGRLDNVAKKSVPHFSDKDP  
E

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	23.5 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_001138229</a>
Locus ID:	6447
UniProt ID:	<a href="#">P05408</a> , <a href="#">A0A024R9I1</a>



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Cytogenetics: 15q13.3

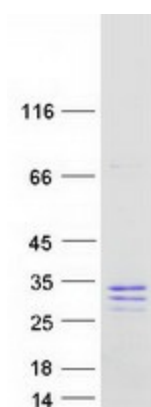
RefSeq ORF: 633

Synonyms: 7B2; P7B2; SGNE1; SgV

**Summary:** This gene encodes a secreted chaperone protein that prevents the aggregation of other secreted proteins, including proteins that are associated with neurodegenerative and metabolic disease. The encoded protein may be best known for its role in the trafficking and activation of prohormone convertase PC2 (encoded by Gene ID: 5126). Phosphorylation of the encoded protein has been shown to have an inhibitory effect on its chaperone function. This gene also produces a ARHGAP11A-SCG5 readthrough transcript and ARHGAP11A-SCG5 protein. [provided by RefSeq, Feb 2019]

**Protein Families:** Secreted Protein

### Product images:



Coomassie blue staining of purified SCG5 protein (Cat# TP326541). The protein was produced from HEK293T cells transfected with SCG5 cDNA clone (Cat# [RC226541]) using MegaTran 2.0 (Cat# [TT210002]).