

Product datasheet for PH326541

Secretogranin V (SCG5) (NM_001144757) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SCG5 MS Standard C13 and N15-labeled recombinant protein (NP_001138229)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226541
Predicted MW:	23.5 kDa
Protein Sequence:	>RC226541 representing NM_001144757 Red=Cloning site Green=Tags(s) MYSRMVSTMLSGLLFWLASGWTPAFAYSPRTPDRVSEADIQRLLHGVMEQLGIARPRVEYPAHQAMNLVG PQSIEGGAHEGLQHLGPFGNIPNIVAELTGDNIPKDFSEDQGYDPPNCPVGTKDDGCLNTPDTAEFS REFQLHQHLFDPEHDYPGLGKWNKLLYEKMKGGERRRRSVNPNYLQGGRLDNVVAKKSVPFHSDEDKDP E TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001138229
RefSeq ORF:	633
Synonyms:	7B2; P7B2; SGNE1; SgV
Locus ID:	6447
UniProt ID:	P05408 , A0A024R911
Cytogenetics:	15q13.3



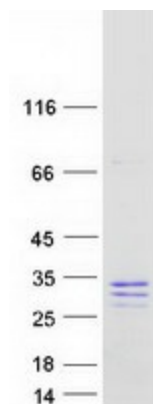
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Summary:

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]).