

Recombinant Human Secretogranin V (7B2 Protein), His-tagged

Cat. No. SCG5-2795H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SCG5 protein (27-212 aa), fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	27-212 a.a.
Description	SCG5, also known as Neuroendocrine protein 7B2, is widely distributed in neuroendocrine tissues. It functions as a chaperone protein for the proprotein convertase PC2 and is required for the production of an active PC2 enzyme.
Sequences	MYSRTPDRV SEADIQRLLH GVMEQLGIAR PRVEYPAHQA MNLVGPQSIE GGAHEGLQHL GPFGNIPNIV AELTGDNIPK DFSEDQGYPD PNPCCPVGKT ADDGCLENTD DTAEFSSREFQ LQHLSDPEH DYPGLGKWNK KLLYEKMKGG ERRKRSSVNP YLQGQRLDNV VAKKSVPHFS DEDKDPELEH HHHHH.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 20% glycerol, 0.1mM PMSF.
Molecular Weight	22.0 kDa (195aa), confirmed by MALDI-TOF.
Purity	> 85% by SDS – PAGE.

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Concentration	0.5 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	SCG5 secretogranin V (7B2 protein) [Homo sapiens]
Synonyms	SCG5;secretogranin V (7B2 protein); OTTHUMP00000215366; OTTHUMP00000215367; OTTHUMP00000215368; neuroendocrine protein 7B2; pituitary polypeptide; prohormone convertase chaperone; secretogranin-5; secretory granule endocrine protein I; secretory granule, neuroendocrine protein 1 (7B2 protein); 7B2; SgV; P7B2; SGNE1
Gene ID	6447
mRNA Refseq	NM_001144757
Protein Refseq	NP_001138229
MIM	173120
UniProt ID	P05408
Chromosome Location	15q13-q14
Function	GTP binding; enzyme inhibitor activity; protein binding; unfolded protein binding