

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 PPNPCPVGKT ADDGCLENTP DTAEFSREFQ LHQHLSDPEH DYPGLGKWNK KLLYEKMKGG ERRKRRSVNP 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

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