

SCG5, 27-212aa, Human, His tag, E.coli

Cat.NO.: TP03860

3th Edition

Synonyms: Neuroendocrine protein 7B2, 7B2, SgV, P7B2, SGNE1, Secretogranin-5, Secretory granule endocrine protein I

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. Recombinant human SCG5 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT, 01mM PMSF

Molecular Weight: 22.0 kDa (195aa), confirmed by MALDI-TOF

Sequences:

MYSRTPDRVSEADIQRLLHGVMEQLGIARPRVEYPAHQAMNLVGPQSIEGGAHEGLQHLGPFGNIPNIVAELTGD
NIPKDFSEDQGYDPPNCPVGKTADDGCLNTPDTAEFSREFQLHQHLSDEPHDYPGLGKWNKLLYEKMKGG
ERRKRRSVNPYLQGGQRLDNVVAKKSVPHFSDKDPLEHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.