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Recombinant human SCG5 protein

Catalog Number: ATGP0693

PRODUCT INFORMATION

Expression system

E.coli

Domain

27-212aa

UniProt No.

P05408

NCBI Accession No.

AAH05349

Alternative Names

Neuroendocrine protein 7B2, 7B2, SgV, P7B2, SGNE1, Secretogranin-5, Secretory granule endocrine protein I, Neuroendocrine protein 7B2, Secretogranin 5, Secretogranin v, Secretograninv, Secretogranin5

PRODUCT SPECIFICATION

Molecular Weight

22.0 kDa (195aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT, 0.1mM PMSF

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.



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Amino acid Sequence

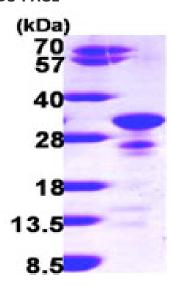
MYSPRTPDRV SEADIQRLLH GVMEQLGIAR PRVEYPAHQA MNLVGPQSIE GGAHEGLQHL GPFGNIPNIV AELTGDNIPK DFSEDQGYPD PPNPCPVGKT ADDGCLENTP DTAEFSREFQ LHQHLSDPEH DYPGLGKWNK KLLYEKMKGG ERRKRRSVNP YLQGQRLDNV VAKKSVPHFS DEDKDPELEH HHHHH

General References

Mbikay M.., et al.. (2001) Biochem. J. 357: 329-42 Taupenot L, et al. (2003) N Engl J Med. 348 (12): 1134-49.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

