

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

MYSRTPDRV SEADIQRLH GVMEQLGIAR PRVEYPAHQA MNLVGPSIE GGAHEGLQHL GPFGNIPNIV AELTGDNIPK
DFSEDQGYPD PPNPCPVGKT ADDGCLENTD DTAEFSREFQ LQHLSDEPH DYPGLGKWNK KLLYEKMKGG ERRKRRSVNP
YLQGQRLDNV VAKKSVPHFS DEDKDPE<LEH HHHHH>

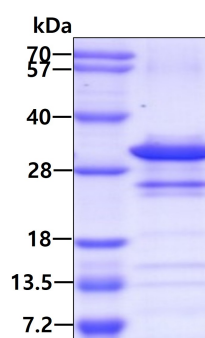
General References

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



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