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## Product Data Sheet

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Product Name: SCG5 Human  
 Cat. No.: GP24495  
 Batch No.: 1

### Product Data

|                     |   |                    |                         |
|---------------------|---|--------------------|-------------------------|
| Purity              | >98%  | Source             | Escherichia Coli.       |
| Physical Appearance | solid   | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | 7B2; SgV; P7B2; SGNE1; Secretogranin-5; Secretory granule endocrine protein I.  |                    |                         |
| Amino Acid Sequence | MYSRTPDRV SEADIQRLH GVMEQLGIAR PRVEYPAHQA MNLVGPQSIE<br>GGAHEGLQHL GPFGNIPNIV AELTGDNIPK DFSEDQGYDPPNCPVGKT<br>ADDGCLNTP DTAEFSREFQ LQHLSDPEH DYPGLGKWNK KLLYEKMKGG<br>ERRKRRSVNP YLQGQRLDNV VAKKSVPHFS DEDKDPELEH HHHHH. |                    |                         |
| Formulation         | FABP3 His-Tag 0.5mg/ml protein solution is supplied in 20mM Tris-HCl pH-8, 0.1mM PMSF, 1mM DTT, 0.1M NaCl and 20% glycerol.   |                    |                         |

### Introduction

SCG5 also called 7B2 protein is localized in neuroendocrine tissues. SCG5 functions as a chaperone protein for the proprotein convertase PC2 and is essential for the production of an active PC2 enzyme.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Background

SCG5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (27-212 a.a.) and having a molecular mass of 22 kDa. SCG5 is fused to a 8 amino acid His tag at C-terminus and purified by standard chromatography techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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