

Recombinant Human Secretogranin 3/SCG3 Protein (His Tag)



Catalog Number: PDMH100017

Note: Centrifuge before opening to ensure complete recovery of vial contents.

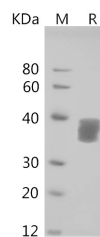
Description

| | |
|------------------------------------|--|
| Synonyms | Secretogranin-3; Secretogranin III; SgIII; |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Phe20-Leu468 |
| Accession | Q8WXD2 |
| Calculated Molecular Weight | 52.0 kDa |
| Observed molecular weight | 52.0 kDa |
| Tag | C-His |

Properties

| | |
|-----------------------|--|
| Purity | > 90 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Secretogranin-3 (SCG3) is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. SCG3 is expressed in brain, heart, kidney, liver and skeletal muscle. It may serve as precursors for biologically active peptides. Some granins have been shown to function as helper proteins in sorting and proteolytic processing of prohormones; however, the function of this protein is unknown.

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