Recombinant Human SCG2 Protein, His-tagged

Cat. No. SCG2-350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SCG2(Gln31~Met617) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln31~Met617
Description	The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. Studies in rodents suggest that the full-length protein, secretogranin II, is involved in the packaging or sorting of peptide hormones and neuropeptides into secretory vesicles. The full-length protein is cleaved to produce the active peptide secretoneurin, which exerts chemotaxic effects on specific cell types, and EM66, whose function is unknown.
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Molecular Mass	71.51kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	> 92%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	SCG2 secretogranin II [Homo sapiens]
Official Symbol	SCG2
Synonyms	SCG2; secretogranin II; secretogranin-2; CHGC; chromogranin C; secretoneurin; SgII; SN; chromogranin-C; EM66;
Gene ID	7857
mRNA Refseq	NM_003469
Protein Refseq	NP_003460
MIM	118930

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UniProt ID	P13521

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