

Recombinant Human Chromogranin B (Secretogranin 1), His-tagged

Cat. No. CHGB-2056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHGB protein fused to His-tag was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. 78.4 kDa (677aa).
Species	Human
Source	E.coli
Description	CHGB, also known as secretogranin-1 or chromogranin-B, is a neuroendocrine secretory granule protein, which may be the precursor for other biologically active peptides. This protein belongs to the chromogranin/secretogranin protein family and is expressed in the adrenal medulla, and in pheochromocytoma.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl.
Purity	> 80% by SDS - PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SGLVPRGSH MPVDNRNHNE GMVTRCIIEV LSNALSKSSA PPITPECRQV LKTSRKDVKD KETTENENTK FEVRLLRDPADASEAHSSS RGEAGAPGEE DIQGPTKADT EKWAEGGGHS RERADEPQWS LYPSDSQVSE EVKTRHSEKS QREDEEEEEEG ENYQKGERGEDSSEEKHL EE PGETQNAFLN ERKQASAIKK EELVARSETH AAGHSQEKTH SREKSSQESG EEAGSQENHP QESKGQPRSQ EESEEGEEDATSEVDKRRTR PRHHHGRSRP DRSSQGGSLP

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SEEKGHPQEE SEESNVSMAS LGEKRDHHST HYRASEEEPE YGEEIKGYPG
 VQAPEDLEWERYRGRGSEY RAPRPQSEES WDEEDKRNYP SLELDKMAHG
 YGEESEEEERG LEPGKGRHHR GRGGEPRAYF MSDTREEKRF LGEG
 HHRVQENQMDKARRHP QGAWKELDRN YLNYGEEGAP GKWQQQDGLQ DTKE
 NREEAR FQDKQYSSHH TAEKRKRLGE LFNPHYDPLQ WKSSHFERRD NMND
 NFLEGE EENELTLNEK NFFPEYNYDW WEKKPFSEDV NWGYEKRNLA RVPKL
 DLKRQ YDRVAQLDQL LHVRKKSAAF PDFYDSEEPVSTHQAENEK DRAD
 QTVLTE DEKKELENLA AMDLELQKIA EKFSQRG.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

CHGB chromogranin B (secretogranin 1) [Homo sapiens]

Synonyms

chromogranin B (secretogranin 1); SCG1; CHGB; secretogranin-1; cgB; sgl;
 chromogranin-B; secretogranin B; secretogranin I; Secretogranin I; Sgl; CgB;
 Chromogranin-B

Gene ID

1114

mRNA Refseq

NM_001819

Protein Refseq

NP_001810

MIM

118920

UniProt ID

P05060

Chromosome

20pter-p12

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Location

Function

hormone activity; protein binding

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