
Product Data Sheet

Product Name: CHGB Human

Cat. No.: GP23146

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms SCG1; Secretogranin 1; secretogranin B; CHGB; Sgl; CgB.

Amino Acid
Sequence

MGSSHHHHH SGLVPRGSH MPVDNRNHNE GMVTRCIEV LSNALSKSSA
 PPITPECRQV LKTSRKDVKD KETTENENTK FEVLLRDPA DASEAHSSS
 RGEAGAPGEE DIQGPTKADT EKWAEGGGHS RERADEPQWS LYPSDSQVSE
 EVKTRHSEKS QREDEEEEG ENYQKGERGE DSSEEKHLEE PGETQNAFLN
 ERKQASAIKK EELVARSETH AAGHSQEKTH SREKSSQESG EEAGSQENHP
 QESKGQPRSQ EESEEGEEDA TSEVDKRRTR PRHHHGRSRP DRSSQGGSLP
 SEEKGHPQEE SEESNVSMAS LGEKRDHHST HYRASEEEPE YGEEIKGYPG
 VQAPEDLEWE RYRGRGSEY RAPRPQSEES WDEEDKRNYP SLELDKMAHG
 YGEESEEEERG LEPGKGRHHR GRGGEPRAYF MSDTREEKRF LGEGHHRVQE
 NQMDKARRHP QGAWKELDRN YLNYGEEGAP GKWQQQGDLQ DTKENREEAR
 FQDKQYSSH TAEKRKRLGE LFNPHYDPLQ WKSSHFERRD NMNDNFLEGE
 EENELTLNEK NFFPEYNYDW WEKKPFSEDV NWGYEKRNLA RVPKLDLKRQ
 YDRVAQLDQL LHYRKKSAEF PDFYDSEEPV STHQEAENEK DRADQTVLTE
 DEKKELENLA AMDLELQKIA EKFSQRG.

Formulation

The CHGB protein 0.25mg/ml solution containing 20mM Tris-HCl pH-8, 0.15M NaCl & 10% glycerol.

Introduction

CHGB is a neuroendocrine secretory granule protein, that is the precursor for other biologically active peptides. CHGB is part of the chromogranin/secretogranin protein family and is expressed in the adrenal medulla, and in pheochromocytoma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CHGB Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 677 amino acids (21-677 a.a.) and having a molecular mass of 78.4kDa. CHGB protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography.

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