9051 Mira Mesa Blvd, #910094
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CHGB Human

Chromogranin B Human Recombinant
RCP0424

Product Overview

Name	CHGB Human
Description	
Chromogranin B Human Recombinant	
Accession (Primary)	P05060
Synonyms	
SCG1, Secretogranin 1, secretogranin B, CHGB, Sgl, CgB.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The CHGB protein 0.25mg/ml solution containing 20mM Tris-HCl pH-8, 0.15M NaCl & 10% glycerol.	
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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	

MGSSHHHHHH SSGLVPRGSH MPVDNRNHNE GMVTRCIIEV LSNALSKSSA PPITPECRQV LKTSRKDVKD KETTENENTK FEVRLLRDPA DASEAHESSS RGEAGAPGEE DIQGPTKADT EKWAEGGGHS RERADEPQWS LYPSDSQVSE EVKTRHSEKS QREDEEEEEG ENYQKGERGE DSSEEKHLEE PGETQNAFLN ERKQASAIKK EELVARSETH AAGHSQEKTH SREKSSQESG EEAGSQENHP QESKGQPRSQ EESEEGEEDA TSEVDKRRTR PRHHHGRSRP DRSSQGGSLP SEEKGHPQEE SEESNVSMAS LGEKRDHHST HYRASEEEPE YGEEIKGYPG VQAPEDLEWE RYRGRGSEEY RAPRPQSEES WDEEDKRNYP SLELDKMAHG YGEESEEERG LEPGKGRHHR

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GRGGEPRAYF MSDTREEKRF LGEGHHRVQE NQMDKARRHP QGAWKELDRN YLNYGEEGAP GKWQQQGDLQ DTKENREEAR FQDKQYSSHH TAEKRKRLGE LFNPYYDPLQ WKSSHFERRD NMNDNFLEGE EENELTLNEK NFFPEYNYDW WEKKPFSEDV NWGYEKRNLA RVPKLDLKRQ YDRVAQLDQL LHYRKKSAEF PDFYDSEEPV STHQEAENEK DRADQTVLTE DEKKELENLA AMDLELQKIA EKFSQRG.

References

Title: Secretoneurin promotes neuroprotection and neuronal plasticity via the Jak2/Stat3 pathway in murine models of stroke. Publication: The Journal of Clinical Investigation, Volume 118, Number 1, January 2008. Link: CHGB prospec publication Applications: CHGB acts directly on neurons after hypoxia and ischemic insult to further their survival by activating the Jak2/Stat3 pathway.

Precautions

CHGB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05060)