

CHGB, 21-677aa, Human, His tag, E.coli

Cat.NO.: TP01602

3th Edition

Synonyms: Secretogranin-1, SCG1, Chromogranin-B

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

Molecular Weight: 78.4 kDa (677aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMPVDNRNHNEGMVTRCIIEVLSNALSKSSAPPITPECRQVLKTSRKDVKDKETTE
NENTKFEVRLLRDPADASEAHSSSRGEAGAPGEEDIQGPTKADTEKWAEGGGHSRERADepQWSLYPSDSQVS
EEVKTRHSEKSRQREDEEEEEGENYQKGERGEDSSEEKHLLEPGETQNAFLNERKQASAIKKEELVARSETHAAGH
SQEKTHSREKSSQESGEEAGSQENHPQESKQPRSQEESEEGEEDATSEVDKRRTRPRHHHGSRPDRSSQG
GSLPSEKGGHPQEESEESNVSMASLGEKRDHSTHYRASEEEPEYGEIKGYPGVQAPEDLEWERYRGRGSEY
RAPRPQSEESWDEEDKRNYPSELDKMAHGYYEESEERGLEPGKGRHHRGRGGEPRAYFMSDTREEKRFLGE
GHHRVQENQMDKARRHPQGAWKELDRNYLNYGEEGAPGKWQQGDLQDTKENREEARFQDKQYSSHHTAEK
RKRLGELFNPPYDPLQWKSSHFERDNMNDNFLEGEENELTLNEKNFFPEYNYDWWWEKKPFSEDVNWGYEKR
NLARVPKLDLKRQYDRVAQLDQLLHYRKKSAEFPDFYDSEEPVSTHQEAENEKDRADQTVLTEDEKKELENLAAM
DLELQKIAEKFSQRG

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.