

Recombinant Human CHGA Protein, His-tagged

Cat. No. CHGA-412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHGA Protein is produced by E.coli expression system. This protein is fused with a His tag.
Species	Human
Source	E.coli
ProteinLength	19-457 aa
Description	Chromogranin A is a member of the chromogranin/secretogranin (granins) family of neuroendocrine secretory proteins. Chromogranin A (CgA) represents the major soluble protein co-stored and co-released with catecholamines, within chromaffin cells secretory granules. Chromogranin A is the precursor to several functional peptides including vasostatin, pancreastatin, catestatin and parastatin. It is considered a diagnostic and prognostic marker of several diseases, including a variety of tumours and cardiac heart failure. Recombinant human Chromogranin A, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	20 mM Tris-HCl (ph.7.5) containing 2 mM EDTA, 0.1 mM PMSF, 10% Glycerol.
Molecular Mass	51.2 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MLPVNSPMNK GDTEVMKCIV EVISDTLSKP SPMPVSQECF ETLRGDERIL SILRHQNLK ELQDLALQGA KERAHQQKKH

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SGFEDELSEV LENQSSQ AEL KEAVEEPSSK DVMEKREDSK EAEKSGEATD
 GARPQALPEP MQESKAEGNN QAPGEEEEEE EEATNTHPPA SLPSQKYPGP
 QAEGDSEGLS QGLVDREKGL SAEPGWQAKR EEEEEEEEA EAGEEAVPEE
 EGPTVVLNPH PSLGYKEIRK GESRSEALAV DGAGKPGAEE AQDPEGKGEQ
 EHSQQKEEEE EMAVVPQGLF RGGKSGELEQ EEERLSKEWE DSKRWSKMDQ
 LAKELTAEKR LEGQEEEEEDN RDSSMKLSFR ARAYGFRGPG PQLRRGWRPS
 SREDSLEAGL PLQVRGYPEE KKEEEGSANR RPEDQELES SAIEAELEKV
 AHQLQALRRG

Purity > 80% by SDS - PAGE

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name CHGA chromogranin A (parathyroid secretory protein 1) [Homo sapiens]

Official Symbol CHGA

Synonyms CHGA; chromogranin-A; pancreastatin; parastatin; vasostatin; SP-I; CGA;

Gene ID 1113

mRNA Refseq NM_001275

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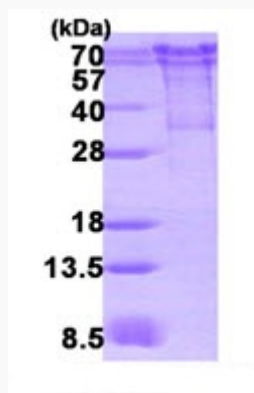
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Protein Refseq NP_001266

MIM 118910

UniProt ID P10645

CHGA-411H, 1



15% SDS-PAGE (3ug)

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