

Product datasheet for TP300492

Chromogranin A (CHGA) (NM_001275) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromogranin A (parathyroid secretory protein 1) (CHGA), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC200492 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MRSAAVLALLLCAGQVTALPVNSPMNKGDTEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSIL
RHQNLLKELQDLALQGAKERAHQKKHSGFEDELSEVLENQSSQAEKAEVEEPPSKDVMKREDSKEAE
KSGEATD GAR PQALPEPMQESKAEGNNQAPGEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGL
VDREKGLSAEPGWQAKREEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESRSEALAVDGA
GKPGAEAAQDPEGKGEQEHSQQKEEEEMAVWPQGLFRGGKSGELEQEEERLSKEWEDSKRWSKMDQLAK
ELTAEKRLEGQEEEDNRDSSMKLSFRARAYGFRGPGQLRRGWRPSSREDSLEAGLPLQVRGYPEEKKE
EEGSANRRPEDQELESLSAIEAELEKVAHQALRRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001266</u>



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Locus ID: 1113

UniProt ID: [P10645](#), [Q86T07](#)

RefSeq Size: 2079

Cytogenetics: 14q32.12

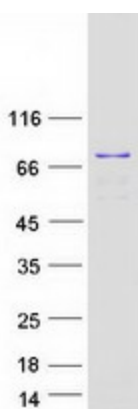
RefSeq ORF: 1371

Synonyms: CGA

Summary: The protein encoded by this gene is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. This gene product is a precursor to three biologically active peptides; vasostatin, pancreastatin, and parastatin. These peptides act as autocrine or paracrine negative modulators of the neuroendocrine system. Two other peptides, catestatin and chromofungin, have antimicrobial activity and antifungal activity, respectively. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]

Protein Families: Druggable Genome, Secreted Protein

Product images:



Coomassie blue staining of purified CHGA protein (Cat# TP300492). The protein was produced from HEK293T cells transfected with CHGA cDNA clone (Cat# [RC200492]) using MegaTran 2.0 (Cat# [TT210002]).