

Human Chromogranin A Partial [19-457] Recombinant Protein

PX-P2060-10

DESCRIPTION

A partial recombinant protein corresponding to amino acids 19 - 457 of CHGA. CHGA is a member of the chromogranin/secretogranin family of neuroendocrine secretory proteins. It is found in secretory vesicles of neurons and endocrine cells. It is also 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.

OVERVIEW

SIZE	10 uG
ORIGIN SPECIES	Human
FRAGMENT	Partial [19-457]
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	68.16KDa
DELIVERY CONDITION	The product is shipped at ambient temperature

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	90%
PROTEIN ACCESSION	NP_001266.1
FORM	Lyophilized
BUFFER	Tris 50mM and 500mM NaCl pH7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID	1113
SWISSPROTID	P10645
UNIPROT ID	P10645
UNIPROT LINK	http://www.uniprot.org/uniprot/P10645
NCBI GENE ALIASES	CGA
SYNONYMS	ChromograninA Partial [19-457], chromogranin A (parathyroid secretory protein 1), CHGA, Pituitary secretory protein I, SP-I,

PROTEIN SEQUENCE

MGLPVNSPMNKGDTVEVMKCIVEVISDTLSKPSMPVVSQECFETLRGDERILSILRHQNLKELQDLALQGAKERAHQKHKHSGFEDELSEVLENQSSQAELKEAVE
EPSSKDVMKREDSKEAEKSGEATDGARPQALPEPMQESKAEGNNAQAPGEEEEEEATNTHPPASLPSQKYPGPQAEGDSEGLSQGLVDREKGLSAEPGWQAK
REEEEEEEAEAGEEAVPEEEGPTVVLNPHPSLGYKEIRKGESR

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