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Datasheet for ABIN7505553
CGA Protein (AA 25-120) (His tag)

Overview

Quantity:	100 µg
Target:	CGA
Protein Characteristics:	AA 25-120
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGA protein is labelled with His tag.

Product Details

Sequence:	Leu 25-Ser 120
Characteristics:	A DNA sequence encoding the Rat CGA protein (P11962) (Leu 25-Ser 120) was expressed with N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CGA
Alternative Name:	CGA (CGA Products)
Background:	Abbreviation: CGA Target Synonym: Glycoprotein hormones alpha chain,Cga,Anterior pituitary glycoprotein hormones common subunit alpha,Follicle-stimulating hormone alpha chain (FSH-alpha),Follitropin alpha chain,Luteinizing hormone alpha chain (LSH-alpha),Lutropin alpha chain

Target Details

Background: Shared alpha chain of the active heterodimeric glycoprotein hormones thyrotropin/thyroid stimulating hormone/TSH, lutropin/luteinizing hormone/LH and follitropin/follicle stimulating hormone/FSH. These hormones bind specific receptors on target cells that in turn activate downstream signaling pathways.

Molecular Weight: Calculated MW: 10.45 kDa
Observed MW: 15 kDa

UniProt: [P11962](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Thyroid Hormone Synthesis](#), [Hormone Transport](#), [Peptide Hormone Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months