

Recombinant Human CGA & FSHB Heterotrimer Protein (Met1-Ser116 & Met1-Glu129), HlgG1 Fc-tagged

Cat. No. CF-1041H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CGA & FSHB Heterotrimer Protein (NP_000726.1)(Met1-Ser116) & (NP_000501.1)(Met1-Glu129) was produced by HEK293 Cells expression system. The CGA protein was expressed, constructed the plasmid 1. The FSHB protein was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human CGA&FSHB heterodimer was purified.
Species	Human
Source	HEK293
ProteinLength	Met1-Ser116 & Met1-Glu129
Predicted N Terminal	Ala 25 & Asn 19
Form	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human CGA&FSHB consists of 450(92+358) amino acids and predicts a molecular mass of 49.7(10.2 + 39.5) kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> (83.5+13.8) % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CGA glycoprotein hormones, alpha polypeptide [Homo sapiens (human)] & FSHB follicle stimulating hormone subunit beta [Homo sapiens (human)]
Official Symbol	CGA & FSHB
Synonyms	HCG; LHA; FSHA; GPHA; TSHA; GPHA1; CG-ALPHA & HH24
Gene ID	1081 & 2488
mRNA Refseq	NM_000735 & NM_000510
Protein Refseq	NP_000726 & NP_000501

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UniProt ID

P01215 & P01225

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