Recombinant Human CGB1 Protein (Leu55-Pro153), His tagged

Cat. No. CGB1-1024H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CGB1 (Leu55-Pro153) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu55-Pro153
Description	The beta subunit of chorionic gonadotropin (CGB) is encoded by six highly homologous and structurally similar genes that are arranged in tandem and inverted pairs on chromosome 19q13.3, and contiguous with the luteinizing hormone beta (LHB) subunit gene. The CGB genes are primarily distinguished by differences in the 5' untranscribed region. This gene was originally thought to be one of the two pseudogenes (CGB1 and CGB2) of CGB subunit, however, detection of CGB1 and CGB2 transcripts in vivo, and their presence on the polysomes, suggested that these transcripts are translated. To date, a protein product corresponding to CGB1 has not been isolated. The deduced sequence of the hypothetical protein of 132 aa does not share any similarity with that of functional CGB subunits (PMID:8954017). However, a 155 aa protein, translated from a different frame, is about the same size, and shares 98% identity with other CGB subunits.
Form	Lyophilized powder/frozen liquid
Molecular Mass	12.42 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	CGB1 chorionic gonadotropin subunit beta 1 [Homo sapiens (human)]
Official Symbol	CGB1
Synonyms	CGB1; chorionic gonadotropin subunit beta 1; choriogonadotropin subunit beta variant 1; chorionic gonadotropin beta subunit 1; chorionic gonadotropin, beta polypeptide 1
Gene ID	114335
mRNA Refseq	NM_033377
Protein Refseq	NP_203695
MIM	608823

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	A6NKQ9

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA