

Recombinant Full Length Human CLCF1 Protein, GST-tagged

Cat. No. CLCF1-1964HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLCF1 full-length ORF (AAH12939, 29 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	225 amino acids
Description	This gene is a member of the glycoprotein (gp)130 cytokine family and encodes cardiotrophin-like cytokine factor 1 (CLCF1). CLCF1 forms a heterodimer complex with cytokine receptor-like factor 1 (CRLF1). This dimer competes with ciliary neurotrophic factor (CNTF) for binding to the ciliary neurotrophic factor receptor (CNTFR) complex, and activates the Jak-STAT signaling cascade. CLCF1 can be actively secreted from cells by forming a complex with soluble type I CRLF1 or soluble CNTFR. CLCF1 is a potent neurotrophic factor, B-cell stimulatory agent and neuroendocrine modulator of pituitary corticotroph function. Defects in CLCF1 cause cold-induced sweating syndrome 2 (CISS2). This syndrome is characterized by a profuse sweating after exposure to cold as well as congenital physical abnormalities of the head and spine. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2009]
Molecular Mass	47.41 kDa
AA Sequence	NRTGDPGPGPSIQKTYDLTRYLEHQLRSLAGTYLNYLGPPFNEPDFNPPRLGAETLP

 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

RATVDLEVWRS LNDKLR LRTQNYEAYSHLLCYLRGLNRQAATAELRRSLAHFCTSLQ
 GLLGSIAGVMAALGYPLPQPLPGTEPTWTPGPAHSDFLQKMDDFWLLKELQTWLW
 RSAKDFNRLKKKMQPPAAAVTLHLGAHGF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[CLCF1](#) [cardiotrophin-like cytokine factor 1 \[Homo sapiens \]](#)

Official Symbol

[CLCF1](#)

Synonyms

CLCF1; cardiotrophin-like cytokine factor 1; CRLF1 associated cytokine like factor 1; B cell stimulating factor 3; BSF 3; BSF3; CISS2; CLC; cold induced sweating syndrome 2; NNT 1; NNT1; novel neurotrophin 1; NR6; novel neurotrophin-1; B-cell stimulating factor 3; B-cell stimulatory factor 3; B-cell-stimulating factor 3; CRLF1 associated cytokine-like factor 1; neurotrophin-1/B-cell stimulating factor-3; BSF-3; NNT-1

Gene ID

[23529](#)

mRNA Refseq

[NM_001166212](#)

 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

Protein Refseq	NP_001159684
MIM	607672
UniProt ID	Q9UBD9

 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