

## CLCF1 Human

**Description:**CLCF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 219 amino acids (28-225 a.a) and having a molecular mass of 24.6kDa.CLCF1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**CYPS-078

For research use only.

**Synonyms:**Cardiotrophin-like cytokine factor 1, B-cell-stimulating factor 3, BSF-3, Novel neurotrophin-1, NNT-1, CLCF1, BSF3, CLC, NNT1, NR6, CISS2.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MLNRTGDPGP GPSIQKTYDL  
TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVWRS LNDKLRLTQN  
YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQPLPGTE  
PTWTPGPAHS DFLQKMDDFW LLKELQTLW RSAKDFNRLK KKMQPPAAAV TLHLGAHGF.

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CLCF1 protein solution (1mg/ml) containing 20mM sodium citrate (pH 3.5), 0.4M Urea and 10% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Cardiotrophin-like cytokine factor 1 (CLCF1) is a member of the interleukin 6 family of cytokines, which are involved in cell signaling via phosphorylation of gp130. CLCF1 has a sequence of 225 amino acids with a 27 aa signal peptide, having a molecular mass of 22kDa in the mature form, and the maximum homology to cardiotrophin-1 and ciliary neurotrophic factor. CLCF1 is actively secreted from cells by forming a complex with soluble type I CRLF1 or soluble CNTFR. Defects in the CLCF1 gene cause cold-induced sweating syndrome 2 (CISS2). The CISS2 syndrome is typified by profuse sweating after exposure to cold as well as congenital physical abnormalities of the head and spine.

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