

32-1109: CLCF1 Recombinant Protein

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

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 20 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : CLCF1 protein solution (1mg/ml) containing 20mM sodium citrate (pH 3.5), 0.4M Urea and 10% glycerol.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEWRS LNDKLRLTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQPLPGTE PTWTPGPAHS DFLQKMDDFW LLKELQTWLW RSKDFNRLK KKMPPAAAV TLHLGAHGF.

