Recombinant Human CLCF1 Protein, MYC/DDK-tagged

Cat. No. CLCF1-3242H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCF1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	CLCF1 cardiotrophin-like cytokine factor 1 [Homo sapiens]
Official Symbol	CLCF1
Synonyms	BSF-3; BSF3; CISS2; CLC; NNT-1; NNT1; NR6
Gene ID	23529
mRNA Refseq	NM_001166212
Protein Refseq	NP_001159684
MIM	607672
UniProt ID	Q9UBD9

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