

**CRLF2, 23-231aa, Human, His-tag, Baculovirus**

**Cat.NO.: TP01716**

3th Edition

**Synonyms:** Cytokine receptor-like factor 2 isoform 1 , CRLF2, CRL2, CRLF2Y, TSLPR

**Description:** CRLF2, also known as cytokine receptor-like factor 2 isoform 1, is a receptor for thymic stromal lymphopoietin. It is proposed to signal through a heterodimeric receptor complex that consists of a new member of the hemopoietin family termed CRLF2 and the IL-7R alpha-chain. The protein induces phosphorylation of Stat3 and Stat5 also activate JAK2 pathways. CRLF2 and IL-7R alpha are principally coexpressed on monocytes and dendritic cell populations and to a much lesser extent of various lymphoid cells. Recombinant human CRLF2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:** Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:** 25.2kDa (218aa), 28-40kDa (SDS-PAGE under reducing conditions.)

**Sequences:**

ADPQGGAAEGVQIQIIFNLETVQVTWNASKYSRTNLTFHYRFNGDEAYDQCTNYLLQEGHTSGCLLD AEQRDDIL  
YFSIRNGTHPVFTASRWMVYYLKPSSPKHVRFSWHQDAVTVTCSDSL SYGDLLYEVQYRSPFDTEWQSKQENTCN  
VTIEGLDAEKCYSFWVRVKAMEDVYGPDTYPSDWSEVTCWQRGEIRDACAETPTPPKPKLSKHHHHHH

**Purity:** > 95% by HPLC

**Concentration:** 1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.