

**SLAM family member 7, 23-226aa, Human, His tag, Insect cell**

**Cat.NO.: TP03956**

3th Edition

**Synonyms:**SLAMF7, CD2 subset 1, CD2-like receptor-activating cytotoxic cells, CRACC, CS1, CD319.

**Description:**SLAMF7, also known as SLAM family member 7, is a single-pass type 1 membrane protein and a member of the CS2 family of cell surface receptors. Isoform 1 of this protein mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. It may play a role in lymphocyte adhesion. SLAMF7 can exert activating or inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins. Recombinant human SLAMF7, 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:**23.4kDa (212aa) 28-40KDa (SDS-PAGE under reducing conditions.)

**Sequences:**

SGPVKELVGSVGGAVTFPLKSKVKQVDSIVWTFNTTPLVTIQPEGGTIIVTQNRNRERVDFFPDGGYSLKLSKLLKKNDSGIYYVGIYSSSLQQPSTQEYVLHVYEHLSKPKVTMGLQSNKNGTCVTNLTCCMEHGEEDVIYTWKALGQAANESHNGSILPISWRWGESDMTFICVARNPVSRNFSSPILARKLCEGAADDPDSSMLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/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.