
Product Data Sheet

Product Name: CLMP Human, SF9
 Cat. No.: GP23177
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CXADR like membrane protein; ACAM; ASAM; CSBM; CSBS; Adipocyte adhesion molecule; Coxsackie- and adenovirus receptor-like membrane protein; CAR-like membrane protein.		
Amino Acid Sequence	ADPTHTEIKR VAEKVTLPK HHQLGLPEKD TLDIEWLLTD NEGNQKVVIT YSSRHVYNNL TEEQKGRVAF ASNFLAGDAS LQIEPLKPSD EGRYTCKVKN SGRYVWSHVI LKVLVRPSKP KCELEGELTE GSDLTLQCES SSGTEPIVYY WQRIREKEGE DERLPPKSRI DYNHPGRVLLQNLTMSYSGL YQCTAGNEAG KESCVRVTV QYVQSIGMVA HHHHHH.		
Formulation	CLMP protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4), 1mM DTT and 20%glycerol		

Introduction

CXADR Like Membrane Protein or CLMP, part of the CTX family within the immunoglobulin superfamily, is a type 1 transmembrane peptide. CLMP is expressed in the placenta and small intestine, skeletal muscle, colon, lungs and heart. CLMP is located in junction complexes across endothelial and epithelial cells and can take part in cell adhesion. The protein has influence on development of obesity via adipocyte differentiation.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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CLMP produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 226 amino acids (19-235a.a.) and having a molecular mass of 25.6kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CLMP is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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