9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ULBP1 Human, Sf9

UL16 Binding Protein 1 Human Recombinant, Sf9
RCP2508

Product Overview

Name	ULBP1 Human, Sf9

Description

UL16 Binding Protein 1 Human Recombinant, Sf9

Accession (Primary)	Q9BZM6

Synonyms

UL16 Binding Protein 1, Retinoic Acid Early Transcript 1I, alcan-beta, NKG2D Ligand 1, NKG2DL1, RAET1I, N2DL-1, NKG2D ligand 1, ULBP.

Introduction

ULBP1 together with at least ULBP2 and ULBP3, is ligand for the NKG2D receptor. ULBPs stimulate various signaling pathways in primary NK cells, which result in cytokines and chemokines production. In CMV infected cells, ULBP1 cooperates with soluble CMV glycoprotein UL16 to inhibit the interaction with the NKG2D receptor providing a mechanism by which CMV infected cells escape the immune system. Additionally, UL16 retains ULBP1 to the ER and cis-Golgi apparatus to prevent it from reaching cell surface.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered clear solution.

Formulation

ULBP1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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.

Purity

Greater than 90.0% as determined by analysis by SDS-PAGE.

Amino acid sequence

ADLGWVDTHC LCYDFIITPK SRPEPQWCEV QGLVDERPFL HYDCVNHKAK AFASLGKKVN VTKTWEEQTE TLRDVVDFLK GQLLDIQVEN LIPIEPLTLQ ARMSCEHEAH GHGRGSWQFL FNGQKFLLFD SNNRKWTALH PGAKKMTEKW EKNRDVTMFF QKISLGDCKM WLEEFLMYWE QMLDPTKPPS LAPG HHHHHH .

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

ULBP1 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BZM6)