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

ULBP1 Human

UL16 Binding Protein 1 Human Recombinant
RCP2507

Product Overview

Name	ULBP1 Human
Description	
UL16 Binding Protein 1 Human Recombinant	
Accession (Primary)	Q9BZM6
Synonyms	
UL16 Binding Protein 1, Retinoic Acid Early Transcript 1I, alcan-beta, NKG2D Ligand 1, NKG2DL1, RAET1I, N2DL-1.	
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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The ULBP1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 150mM NaCl and 30% 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 SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM GWVDT HCLCYDFIIT PKSRPEPQWC EVQGLVDERP FLHYDCVNHK AKAFASLGKK VNVTKTWEEQ TETLRDVVDF LKGQLLDIQV ENLIPIEPLT LQARMSCEHE AHGHGRGSWQ FLFNGQKFLL FDSNNRKWTA LHPGAKKMTE KWEKNRDVTM FFQKISLGDC KMWLEEFLMY WEQMLDPTKP PSLAPG	

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Precautions

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

Target Information: (Q9BZM6)