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ULBP3 Human

UL16 Binding Protein 3 Human Recombinant
RCP2511

Product Overview

Name	ULBP3 Human
Description	
UL16 Binding Protein 3 Human Recombinant	
Accession (Primary)	Q9BZM4
Synonyms	
UL16 Binding Protein 3, Retinoic Acid Early Transcript 1N, ALCAN-Gamma, NKG2DL3, N2DL-3, RAET1N, UL16-Binding Protein 3, NKG2D Ligand 3, N2DL3, ULBP3.	
Introduction	
UL16 Binding Protein 3 (ULBP3) is a ligand for the NKG2D receptor in NK cells. ULBPs activate different signaling pathways resulting in the production of cytokines and chemokines. ULBP3 is a ligand for the KLRK1/NKG2D receptor, along with at least ULBP1 and ULBP2. Binding of ULBPs ligands to KLRK1/NKG2D stimulates calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. ULBP3 has lower affinity for KLRK1/NKG2D compared to ULBP1 and ULBP2 and stimulates weaker signaling responses than does ULBP2 or ULBP1.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
ULBP3 was filtered (0.4 µm) and lyophilized in 20mM Tris buffer, 50mM NaCl and 0.1% v/v amisoft CS-22, pH 7.5.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS DAHSLWYNFT IIHLPRHGQQ WCEVQSQVDQ KNFLSYDCGS DKVLSMGHLE EQLYATDAWG	

KQLEMLREVG QRLRLELADT ELEDFTPSGP LTLQVRMSCE CEADGYIRGS WQFSFDGRKF LLFDSNNRKW TVVHAGARRM KEKWEKDSGL TTFFKMVSMR DCKSWLRDFL MHRKKRLEPT APPTMAPG.

Solubility

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. ULBP3 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

ULBP3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BZM4)