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ULBP3 Human, Sf9

UL16 Binding Protein 3 Human Recombinant, Sf9
RCP2512

Product Overview

Name	ULBP3 Human, Sf9
Description	
UL16 Binding Protein 3 Human Recombinant, Sf9	
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	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The ULBP3 solution (1mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).	
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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
ADPDAHSLWY NFTIIHLPRH GQQWCEVQSQ VDQKNFLSYD CGSDKVLSMG HLEEQLYATD AWGKQLEMLR EVGQRLRLEL ADTELEDFTP SGPLTLQVRM SCECEADGYI RGSWQFSFDG RKFLLFDSNN RKWTVVHAGA	

RRMKEKWEKD SGLTTFFKMV SMRDCKSWLR DFLMHRKKRL EPTAPPTMAP G LEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH

Precautions

ULBP3 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BZM4)