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32-13498: ULBP2 Human, Sf9

Alternative Name : ULBP2, ALCAN-alpha, N2DL2, NKG2DL2, RAET1H, UL16 Binding Protein 2, Retinoic Acid Early Transcript 1H, UL16-Binding Protein 2, ALCAN-Alpha, NKG2D Ligand 2, N2DL-2.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
ULBP2 is a member of the MHC class I family. ULBP2 is ligand for the NKG2D receptor, composed with at least ULBP1 and ULBP3. ULBPs promote multiple signaling pathways in primary NK cells, triggering the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D encourages calcium mobilization and activation of the JAK2, STAT5, ERK and PI3K kinase/Akt signal transduction pathway. In CMV infected cells, ULBP2 cooperates with soluble CMV glycoprotein UL16. This cooperation is blocked with the NKG2D receptor, providing a mechanism in which CMV infected cells can escape the immune system. Additionally, UL16 causes ULBP2 to be held in the ER and cis-Golgi apparatus so that it does not reach the cell surface.
ULBP2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 200 amino acids (26-216a.a) and having a molecular mass of 22.7kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). ULBP2 is fused to a 9 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	ULBP2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	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.
Amino Acid :	ADPGRADPHS LCYDITVIPK FRPGPRWCAV QGQVDEKTFL HYDCGNKTVT PVSPLGKKLN VTTAWKAQNP VLREVVDILT EQLRDIQLEN YTPKEPLTLQ ARMSCEQKAE GHSSGSWQFS FDGQIFLLFD SEKRMWTTVH PGARKMKEKW ENDKVVAMSF HYFSMGDCIG WLEDFLMGMD STLEPSAGAP LAMSHHHHHH.

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