

Recombinant Human ULBP2/N2DL-2 Protein (Fc Tag)

Catalog No. PKSH030893

Note: Centrifuge before opening to ensure complete recovery of vial contents.

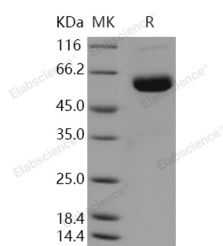
Description

| | |
|------------------------------------|---|
| Synonyms | NKG2D Ligand 2;N2DL-2;NKG2DL2;ALCAN-Alpha;Retinoic Acid Early Transcript 1H;UL16-Binding Protein 2;ULBP2;N2DL2;RAET1H |
| Species | Human |
| Expression Host | HEK293 Cells |
| Sequence | Met 1-Ser 217 |
| Accession | Q9BZM5 |
| Calculated Molecular Weight | 48.7 kDa |
| Observed molecular weight | 58 kDa |
| Tag | C-hFc |
| Bioactivity | Not validated for activity |

Properties

| | |
|-----------------------|---|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 95 % as determined by reducing SDS-PAGE.

Background

NKG2D ligand 2; also known as N2DL-2; NKG2DL2; ALCAN-alpha; Retinoic acid early transcript 1H; UL16-binding

For Research Use Only

protein 2; ULBP2 and N2DL2; is cell membrane protein which belongs to the MHC class I family. ULBP2 / N2DL-2 is expressed in various types of cancer cell lines and in the fetus; but not in normal tissues. ULBP2 / N2DL-2 is a ligand for the NKG2D receptor; together with at least ULBP1 and ULBP3. ULBPs activate multiple signaling pathways in primary NK cells; resulting in the production of cytokines and chemokines. Binding of ULBPs ligands to NKG2D induces calcium mobilization and activation of the JAK2; STAT5; ERK and PI3K kinase/Akt signal transduction pathway.