

# Recombinant Human ULBP2/N2DL-2 Protein (His Tag)

Catalog Number: PKSH030892



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

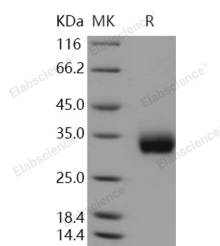
## Description

<b>Synonyms</b>	NKG2D Ligand 2; N2DL-2; NKG2DL2; ALCAN-Alpha; Retinoic Acid Early Transcript 1H; UL16-Binding Protein 2; ULBP2; N2DL2; RAET1H
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Ser 217
<b>Accession</b>	Q9BZM5
<b>Calculated Molecular Weight</b>	23.2 kDa
<b>Observed molecular weight</b>	33 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 97 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 97 % 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 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.

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