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

Catalog Number: PKSH030892

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

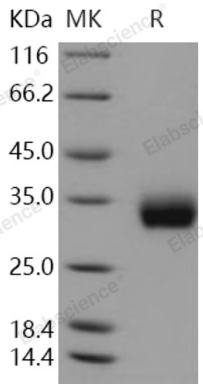
Description

Species	Human
Source	HEK293 Cells-derived Human ULBP2/N2DL-2 protein Met 1-Ser 217, with an C-terminal His
Calculated MW	23.2 kDa
Observed MW	33 kDa
Accession	Q9BZM5
Bio-activity	Not validated for activity

Properties

Purity	> 97 % 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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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% Tween 80 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



> 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 theMHC 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.