Recombinant Human NKG2D ligand 2/ULBP2 Protein

RPCB0496

Protein Information

Size:	20 µg , 50 µg	**Tag:**	C-His
Reactivity:	Human	**Expressed Host:**	HEK293 cells
Calculated MW:	22.57 kDa	**Observerd MW:**	33 kDa

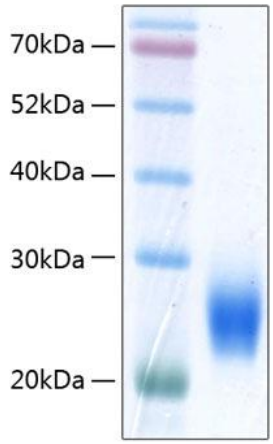
Background

ULBP2 Protein, Human, Recombinant (His Tag) consists of 203 amino acids with a molecular weight of 23.2 kDa. The apparent molecular mass of recombinant human ULBP2 is about 33 kDa in SDS-PAGE under reducing conditions because of glycosylation.NKG2D ligand 2 is cell membrane protein belonging to theMHC class I family.The gene for ULBP-2 resides in a cluster of ten related genes, six of which encode potentially functional glycoproteins. ULBPs are known to bind to human NKG2D, an activating receptor expressed on NK cells, NKT cells, gamma δ T cells, and CD8+ alpha beta T 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.ULBP2 / N2DL-2 is not expressed in normal tissues, but in various types of cancer cell lines and the fetus and has been implicated in tumor surveillance.

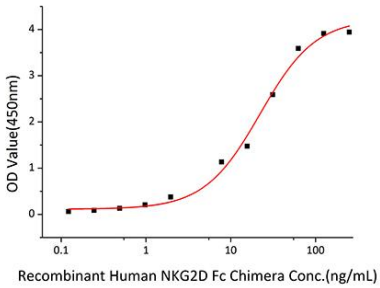
Properties

Synonyms:	ULBP2, ALCAN-alpha, N2DL2, NKG2DL2, RAET1H
Gene ID:	80328
Endotoxin:	< 0.1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human NKG2D ligand 2/ULBP2 Protein (RPCB0496), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Human NKG2D ligand 2/ULBP2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Human ULBP2 at 2μg/mL (100 μL/well) can bind NKG2D with a linear range of 0.122-22.17ng/mL.