Datasheet for ABIN1097760

ULBP2 Protein (AA 26-217) (His tag)

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Overview

Quantity:	50 µg
Target:	ULBP2
Protein Characteristics:	AA 26-217
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULBP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NKG2D Ligand 2/NKG2DL2/N2DL2 (C-6His)
Sequence:	GRADPHSLCY DITVIPKFRP GPRWCAVQGQ VDEKTFLHYD CGNKTVTPVS PLGKKLNVTT AWKAQNPVLR EVVDILTEQL RDIQLENYTP KEPLTLQARM SCEQKAEGHS SGSWQFSFDG QIFLLFDSEK RMWTTVHPGA RKMKEKWEND KVVAMSFHYF SMGDCIGWLE DFLMGMDSTL EPSAGAPLAM SSVDHHHHHH
Characteristics:	Recombinant Human NKG2D Ligand 2/NKG2DL2/N2DL2 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ULBP2

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Target Details

Alternative Name:	NKG2D Ligand 2/N2DL2 (ULBP2 Products)
Background:	Recombinant Human NKG2D Ligand 2/N2DL2 produced by transfected human cells is a secreted protein with sequence (Gly26-Ser216) of Human N2DL2 fused with a polyhistidine tag at the C-terminus. NKG2D Ligand 2 (N2DL2) is a member of a family of cell-surface proteins. N2DL2 function as ligands for human cytomegalovirus glycoprotein UL16. N2DL2 is anchored to the membrane via a GPI-linkage. N2DL2 is bind to human NKG2D, an activating receptor expressed on NK cells, NKT cells, T cells. Engagement of NKG2D results in the activation of cytolytic activity and cytokine production by these effects cells. The ULBPs are expressed on some tumor cells and have been implicated in tumor surveillance.
Molecular Weight:	22.78 kDa
UniProt:	Q9BZM5

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.