Recombinant Human UL16 Binding Protein 2, His-tagged

Cat. No. ULBP2-6841H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ULBP2 protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	26-216 aa
Description	ULBP2 belongs to the MHC class I family. This protein is 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 2M urea, 0.2M NaCl, 2mM DTT.
Molecular Mass	24.3 kDa (216aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMGRADP HSLCYDITVI PKFRPGPRWC AVQGQVDEKT FLHYDCGNKT VTPVSPLGKK LNVTTAWKAQ NPVLREVVDI LTEQLRDIQL ENYTPKEPLT LQARMSCEQK AEGHSSGSWQ FSFDGQIFLL FDSEKRMWTT VHPGARKMKE KWENDKVVAM SFHYFSMGDC IGWLEDFLMG

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	MDSTLEPSAG APLAMS
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	ULBP2 UL16 binding protein 2 [Homo sapiens]
Official Symbol	ULBP2
Synonyms	ULBP2; UL16 binding protein 2; NKG2D ligand 2; RAET1H; N2DL-2; NKG2DL2; ALCAN-alpha; UL16-binding protein 2; retinoic acid early transcript 1H; retinoic acid early transcript 1 H; N2DL2;
Gene ID	80328
mRNA Refseq	NM_025217
Protein Refseq	NP_079493
MIM	605698
UniProt ID	Q9BZM5

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Chromosome Location	6q25
Pathway	Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;
Function	MHC class I receptor activity;

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