

Datasheet for ABIN7596466

ULBP3 Protein (AA 30-217) (hIgG-His-tag)



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Overview

Quantity:	500 µg
Target:	ULBP3
Protein Characteristics:	AA 30-217
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ULBP3 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	DAHSLWY NFTIIHLPRH GQQWCEVQSQ VDQKNFLSYD CGSDKVLSMG HLEEQLYATD AWGKQLEMLR EVGQRLRLEL ADTELEDFTP SGPLTLQVRM SCECEADGYI RGSWQFSFDG RKLLFDSNN RKWTVVHAGA RRMKEKWEKD SGLTTFFKMV SMRDCKSWLR DFLMHRKKRL EPTAPPTMAP G
Purity:	> 95% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	ULBP3
Alternative Name:	ULBP-3 (ULBP3 Products)
Background:	ULBP-3, also known as NKG2D ligand 3, is ligands for natural-killer group 2, member D (NKG2D)

Target Details

receptor. It is related to MHC class I molecules, but its gene maps outside the MHC locus. The domain structure of ULBP3 differs significantly from those of conventional MHC class I molecules. It does not contain the $\alpha 3$ domain and the transmembrane segment. ULBP3 is thus composed of only the $\alpha 1\alpha 2$ domain which is linked to the cell membrane by the GPI anchor. It functions as a stress-induced ligand for NKG2D receptor. In the normal hair follicle, ULBP3 is turned off. However, different studies reported its high level in alopecia areata (AA). It is also expressed on some tumor cells and have been implicated in tumor surveillance. Recombinant human ULBP-3, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 49.3kDa (430aa)

NCBI Accession: [NP_078794](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.