

Active Recombinant Human ULBP1 protein, His&hFc-tagged

Cat. No. ULBP1-3249H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ULBP1 protein(NP_079494.1)(Met 1-Gly 216) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-216 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized human His-NKG2D (78-216) at 10 µg/ml (100 µl/well) can bind human ULBP1-Fch, The EC50 of human ULBP1-Fch is 0.04-0.08 µg/ml.
Molecular Mass	The mature form of recombinant human ULBP1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 439 amino acids and predicts a molecular mass of 50.4 kDa. The apparent molecular mass of rhULBP1/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [ULBP1 UL16 binding protein 1 \[Homo sapiens \]](#)

Official Symbol [ULBP1](#)

Synonyms ULBP1; UL16 binding protein 1; NKG2D ligand 1; RAET1I; N2DL-1; NKG2DL1; alcan-beta; UL16-binding protein 1; retinoic acid early transcript 1I;

Gene ID [80329](#)

mRNA Refseq [NM_025218](#)

Protein Refseq [NP_079494](#)

MIM [605697](#)

UniProt ID [Q9BZM6](#)

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SDS-PAGE



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