

For Research Use Only

# Recombinant Human ULBP3 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2810

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/μg protein, LAL method

**Source:**  
HEK293-derived Human ULBP3 protein His32-Pro216 (Accession# Q9BZM4) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
79465

**Accession:**  
Q9BZM4

**Predicted Molecular Mass:**  
48.1 kDa

**SDS-PAGE:**  
48-60 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

ULBP3 (UL16 binding protein-3), a class 1 major histocompatibility complex-like (MHC-like) molecule and member of the family of ligands of the killer cell lectin-like receptor subfamily K member 1 (NKG2D). This protein plays a crucial role in the immune response against tumors, as it can stimulate antitumor responses and recruit NK cells, NK1.1+ T cells, and T cells to tumor. ULBP3 is expressed by a variety of leukemias, carcinomas, melanomas, and other tumor cell lines, and its expression has been correlated with improved survival in cancer patients.

## References

1. Wirsching HG, et al. (2019). JCI Insight. 4 (13)
2. Mao C, et al. (2012). Hybridoma (Larchmt). 31 (3):203-8.
3. Sutherland CL, et al. (2006) Blood. 108 (4):1313-9.

## Synonyms

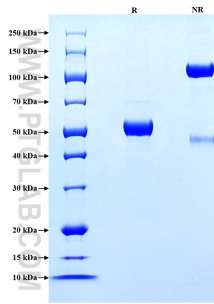
ALCAN gamma, N2DL 3, N2DL3, NKG2D ligand 3, NKG2DL3

For technical support and original validation data for this product please contact

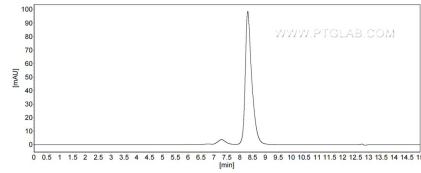
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Purity of Recombinant Human ULBP3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human ULBP3 was greater than 90% as determined by SEC-HPLC.