

# Biotinylated Human ULBP-1 Protein

Cat. No. ULB-HM4P1B



## Description

Source	Recombinant Biotinylated Human ULBP-1 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Gly26-Pro215.
Accession	Q9BZM6
Molecular Weight	The protein has a predicted MW of 25.2 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

## Formulation and Storage

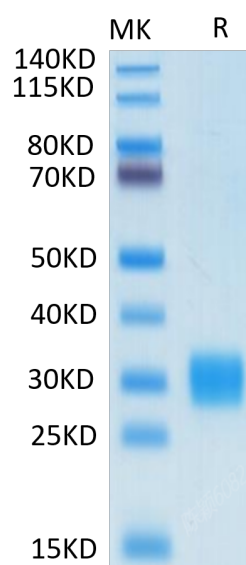
Formulation	Supplied as 0.22µm filtered solution in 20mM PB, 0.5M NaCl, 0.1M L-arginine (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Cell surface proteins major histocompatibility complex (MHC) class I-related chain A (MICA) and UL16-binding proteins (ULBP) 1, 2, and 3 are up-regulated upon infection or tumor transformation and can activate human natural killer (NK) cells.

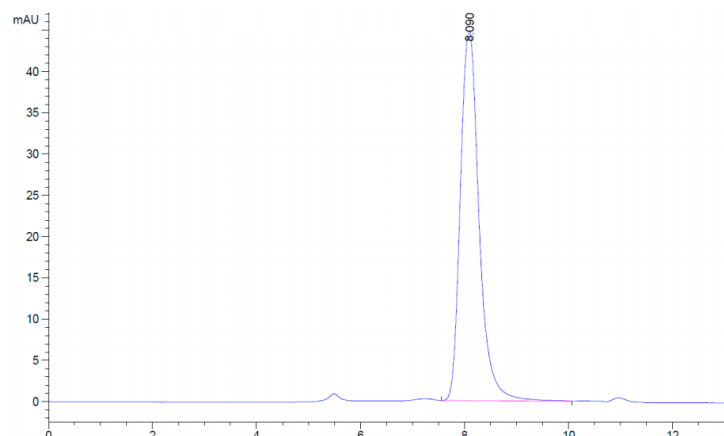
## Assay Data

### Bis-Tris PAGE



Biotinylated Human ULBP-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

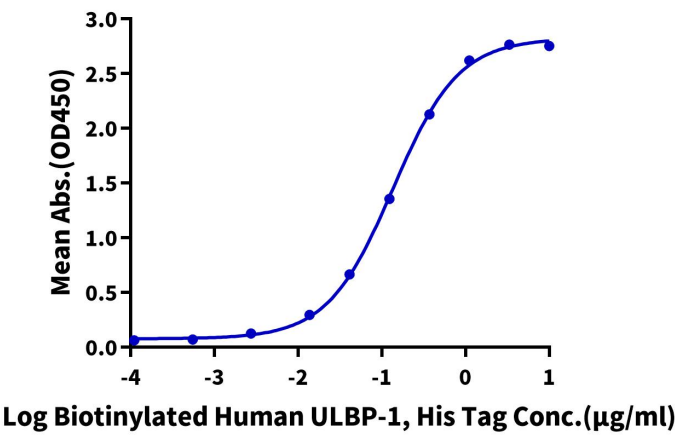


The purity of Biotinylated Human ULBP-1 is greater than 95% as determined by SEC-HPLC.

### ELISA Data

**Biotinylated Human ULBP-1, His Tag ELISA**

0.2µg Human NKG2D, hFc Tag Per Well



Immobilized Human NKG2D, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ULBP-1, His Tag with the EC50 of 0.14µg/ml determined by ELISA.