

# Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer Protein

Cat. No. MHC-HE018

## Description

<b>Source</b>	Recombinant Human HLA-A*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus. It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and YQNKLIYLV peptide.
<b>Accession</b>	A0A140T913(HLA-A*02:01)&P61769(B2M)&YQNKLIYLV
<b>Molecular Weight</b>	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

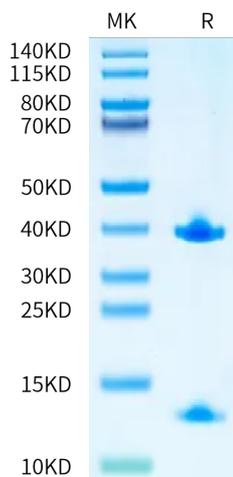
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 20mM Tris, 200mM NaCl (pH 8.0).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Intersectin-2 (ITSN2) is an evolutionarily conserved scaffold protein that plays a role in endocytic internalization, regulation of the actin cytoskeleton, and epithelial morphogenesis. It is involved in the initiation stage of clathrin-mediated endocytosis and has been implicated in distinct pathologies. Alternative splicing generates several isoforms of ITSN2.

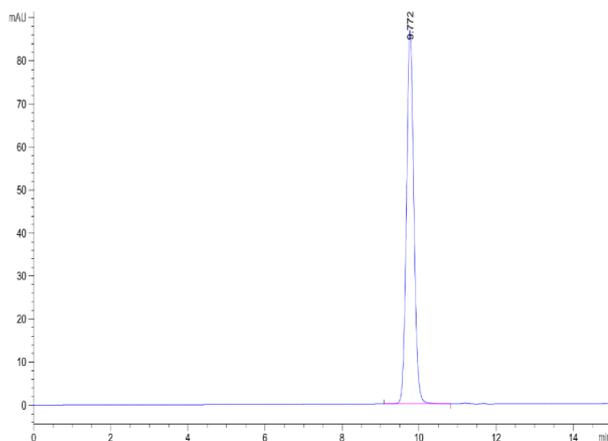
## Assay Data

### Bis-Tris PAGE



Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



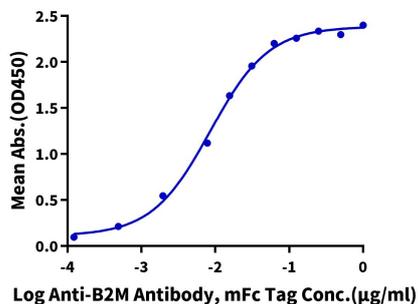
The purity of Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer, His Tag ELISA

0.05µg Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer, His Tag Per Well



Immobilized Human HLA-A\*02:01&B2M&Intersectin-2 (YQNKLIYLV) Monomer, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-B2M Antibody, mFc Tag with the EC50 of 8.5ng/ml determined by ELISA (QC Test).