

# Recombinant Human HLA-A\*0201 NY-ESO-1 complex Protein (C-10His)



Catalog Number:PKSH034036

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

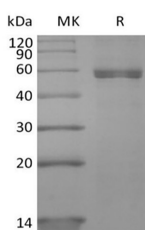
## Description

|                                    |  |
|------------------------------------|--|
| <b>Synonyms</b>                    | MHC;MY-ESO-1;HLA-A*0201 NY-ESO-1 complex Protein |
| <b>Species</b>                     | Human  |
| <b>Expression Host</b>             | HEK293 Cells                                     |
| <b>Sequence</b>                    | SLLMWITQC&Ile21-Met119&Gly25-Ile308(Ala269Val)   |
| <b>Accession</b>                   | P61769&P01892                                    |
| <b>Calculated Molecular Weight</b> | 49.1 kDa   |
| <b>Observed molecular weight</b>   | 55-60 kDa  |
| <b>Tag</b>                         | C-His  |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 90 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                      |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 500mM NaCl, pH7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manu |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.   |

## Data



> 90 % as determined by reducing SDS-PAGE.

## Background

NY-ESO-1 is a well-known cancer-testis antigen (CTAs) with re-expression in numerous cancer types. Its ability to elicit spontaneous humoral and cellular immune responses, together with its restricted expression pattern, have rendered it a good candidate target for cancer immunotherapy. Optimally assembled peptide-HLA-B2M trimer translocates to the surface of antigen-presenting cells, where it interacts with TCR and CD8 coreceptor on the surface of T cells.

## For Research Use Only

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