

# Recombinant Human HLA-A protein, His-B2M-tagged

**Cat. No.** HLA-A-4302H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HLA-A protein(A0A140T913)(25-299aa), fused to N-terminal His tag and B2M tag, was expressed in E. coli.                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 25-299aa                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                           |
| <b>Molecular Mass</b>   | 48.8 kDa                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | GSHSMRYFFTSVSRPGRGEPFRFIAVG YVDDTQFVRFDSDAASQRMEPRAPWIEQE<br>GPEYWDGETRKVKAHSQTHRVDLGLTRGYYNQSEAGSHTVQRMYGCDVGSDWR<br>FLRGYHQYAYDGKDYIALKEDLRSWTAADMAAQTTKHKWEAAHVAEQLRAYLEGT<br>CVEWLRRLRYLENGKETLQRTDAPKTHMTHHAVSDHEATLRCWALSFYPAEITLTWQR<br>DGEDQTQDTELVETRPAGDGTGFKWA AVVVPSGQEQRYTCHVQHEGLPKPLTLR<br>WE |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated                                                                                                                                                                                                                         |

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freeze-thaw cycles.

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

## GENE INFORMATION

**Gene Name**

HLA-A major histocompatibility complex, class I, A [ Homo sapiens ]

**Official Symbol**

HLA-A

**Synonyms**

HLA-A; major histocompatibility complex, class I, A; HLA class I histocompatibility antigen, A-1 alpha chain; antigen presenting molecule; leukocyte antigen class I-A; MHC class I antigen HLA-A heavy chain; HLAA; FLJ26655;

**Gene ID**

3105

**mRNA Refseq**

NM\_001242758

**Protein Refseq**

NP\_001229687

**UniProt ID**

P01891

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