

## Recombinant Human CD74 Protein(His Tag)

Catalog Number: GPEH0704

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

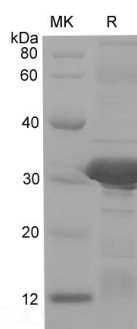
### Description

|               |                                                                        |
|---------------|------------------------------------------------------------------------|
| Species       | Human                                                                  |
| Source        | E.coli-derived Human CD74 protein Gln73-Met296, with an N-terminal His |
| Calculated MW | 26.6 kDa                                                               |
| Observed MW   | 30-33 kDa                                                              |
| Accession     | P04233                                                                 |
| Bio-activity  | Not validated for activity                                             |

### Properties

|                |                                                                                                                                                                                                                                        |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity         | > 90% as determined by reducing SDS-PAGE.                                                                                                                                                                                              |
| Endotoxin      | < 10 EU/mg of the protein as determined by the LAL method                                                                                                                                                                              |
| Storage        | 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. |
| Shipping       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                        |
| Formulation    | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.                                                                                                                                                  |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.                                                                                               |

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF.