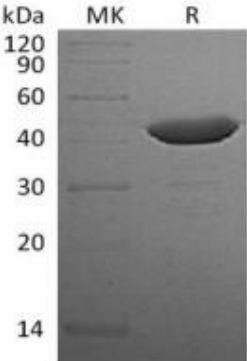


Recombinant Human IDO (N-6His)

 Catalog#:AC13258 Derived from *E.coli*

| | |
|------------------------|---|
| DESCRIPTION | Recombinant Human Indoleamine 2,3-dioxygenase is produced by our E.coli expression system and the target gene encoding Met1-Gly403 is expressed with a 6His tag at the N-terminus. Accession#: P14902 Known as: Indole 2;3-dioxygenase; Indoleamine 2;3-dioxygenase 1; IDO-1; IDO1; IDO; INDO |
| FORMULATION | Supplied as a 0.2 μ m filtered solution of 20mM Sodium Acetate, 150mM NaCl, 20% Glycerol, pH 4.5. |
| SHIPPING | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| STORAGE | Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| QUALITY CONTROL | Mol Mass: 46.8kDa AP Mol Mass: 40-50kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. |
| BACKGROUND | Indoleamine 2,3-dioxygenase (IDO) is a heme enzyme that initiates the oxidative degradation of the least abundant, essential amino acid, l-tryptophan, along the kynurenine pathway. This protein is normally expressed in the dendritic cells, macrophages, microglia, eosinophils, fibroblasts, endothelial cells, and most tumor cells. IDO activity is associated with immunosuppression and immune attenuation. Several studies showed that IDO can contribute to immune escape when expressed directly in tumor cells or when expressed in immunosuppressive antigen presenting cells such as tolerogenic dendritic cells or tumor associated macrophages. IDO also is a promising therapeutic target for the treatment of cancer, chronic viral infections, and other diseases characterized by pathological immune suppression. |
| SDS-PAGE |  <p>The SDS-PAGE gel shows a single prominent band in lane R at approximately 46.8 kDa, corresponding to the recombinant Human IDO (N-6His) protein. Lane MK contains molecular weight markers with bands at 120, 90, 60, 40, 30, 20, and 14 kDa.</p> |