

# Human IDO1 recombinant protein



Catalog Number: 500820

## General Information

### Gene Name Synonym

Indoleamine-pyrrole 2,3-dioxygenase

### Protein Construction

A DNA sequence encoding the human IDO1 (NP\_002155.1) (Ala2-Gly403) was expressed and purified with one additional amino acids (Gly) at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to oxidize L-tryptophan to N-formylkynurenine.

The specific activity is > 500 pmoles/min/μg.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Gly

## Molecular Mass

The recombinant human IDO1 consists of 403 amino acids and predicts a molecular mass of 45.2 KDa. It migrates as an approximately 46 KDa band in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile 50 mM NaAC, 100 mM NaCl, 20 % glycerol, pH 5.5.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

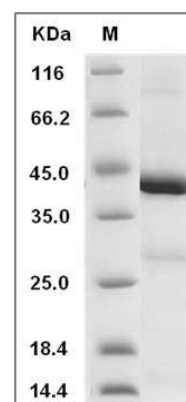
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IDO1 / IDO Protein SDS-PAGE