Catalog Number: 504138



# **General Information**

#### Gene Name Synonym

Indoleamine-pyrrole 2,3-dioxygenase

## **Protein Construction**

A DNA sequence encoding the human IDO1 (P14902-1) (Ala 2-Gly 403) was expressed, with a polyhistide tag at the N-terminus.

### Organism

Human

## **Expression Host**

E. coli

## **QC Testing**

#### Activity

Measured by its ability to oxidize L-tryptophan to N-formylk-ynurenine. The specific activity is > 400 pmoles/min/ $\mu$ g.

#### Purity

> 88 % 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  $-70^{\circ}$ C

## **Predicted N terminal**

Met

#### **Molecular Mass**

The recombinant human IDO1 consisting of 409 amino acids and has a calculated molecular mass of 46 kDa. It migrates as an approximately 44 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 50mM Tris, 0.15M NaCl, 10% glycerol, pH 8.0
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**

KDa	М		
116	-	5.1	
66.2	-		
45.0	-		-
35.0			
25.0	-		
18.4	-		
14.4	-		

Human IDO1 / IDO Protein (His Tag) SDS-PAGE