

Human IDO1 (His Tag) recombinant protein



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 polyhistidine tag 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 > 400 pmoles/min/μg.

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°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

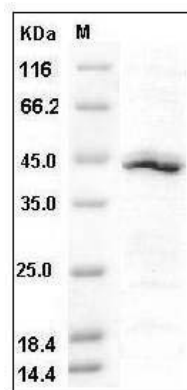
Storage

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



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