# Human Glutaminyl cyclase / QPCT (His Tag) recombinant protein

Catalog Number: 500294



#### General Information

## Gene Name Synonym

Glutaminyl cyclase; Glutaminyl-tRNA cyclotransferase; Glutamyl cyclase

#### **Protein Construction**

A DNA sequence encoding the human QPCT (Q16769-1) (Ala33-Leu361) was fused with a polyhistide tag at the N-terminus.

# **Organism**

Human

# **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

# **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

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

## Predicted N terminal

His

#### **Molecular Mass**

The recombinant human QPCT consists of 345

amino acids and has a calculated molecular mass of 39.7 kDa. The recombinant protein migrates as an approximately 38 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

- 1.5% trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

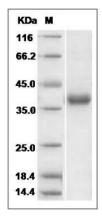
# **Storage**

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 Glutaminyl cyclase / QPCT Protein (His Tag) SDS-PAGE