# **Human DARS (His Tag) recombinant protein**

Catalog Number: 500033



## **General Information**

## **Gene Name Synonym**

Aspartyl-tRNA synthetase; Cell proliferation-inducing gene 40 protein

#### **Protein Construction**

A DNA sequence encoding the mature form of human DARS (P14868) (Met1-Pro501) was expressed with a polyhistide tag at the N-terminus.

## **Organism**

Human

## **Expression Host**

E. coli

## **QC** Testing

## **Purity**

> 90 % 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  $^{\circ}\text{C}$ 

#### **Predicted N terminal**

His

#### **Molecular Mass**

The recombinant human DARS consists of 516 amino acids and predicts a molecular mass of 59 KDa. It migrates as an approximately 47 KDa band in SDS-PAGE under reducing conditions.

## **Formulation**

Lyophilized from sterile 50mM Tris, 100mM 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**

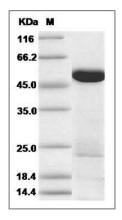
#### Storage

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 DARS Protein (His Tag) SDS-PAGE