

Human DPYS / Dihydropyrimidinase recombinant protein



Catalog Number: 503892

General Information

Gene Name Synonym

Dihydropyrimidine amidohydrolase; Hydantoinase

Protein Construction

A DNA sequence encoding the human DPYS (NP_001376.1) (Met1-Pro519) was fused with two additional amino acids (Gly&Pro) 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 μ 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

Gly

Molecular Mass

The recombinant human DPYS consists of 521

amino acids and has a calculated molecular mass of 56.8 kDa. The recombinant protein migrates as an approximately 54 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 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

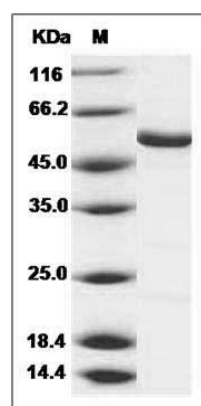
Storage

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 DPYS / Dihydropyrimidinase Protein SDS-PAGE