

Human CD73 / NT5E (His Tag) recombinant protein



Catalog Number: 500201

General Information

Gene Name Synonym

Ecto-5'-nucleotidase

Protein Construction

A DNA sequence encoding the human NT5E (NP_002517.1) (Met 1-Lys 547) without the propeptide was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to hydrolyze the 5'phosphate group from the substrate adenosine 5'monophosphate (AMP).

The specific activity is > 20,000 pmoles/min/μg.

Purity

> 85 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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

Trp 27

Molecular Mass

The secreted recombinant human NT5E consists of 532 amino acids with the predicted molecular mass of 59.2 kDa.

Formulation

Lyophilized from sterile 20mM Tris, 120 mM NaCl, 4 mM CaCl₂, 20 % glycerol, pH 7.5.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

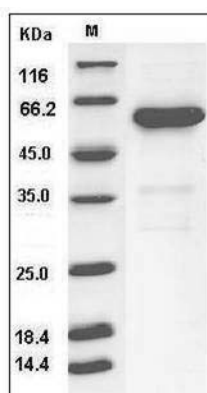
Storage

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 CD73 / NT5E Protein (His Tag) SDS-PAGE