

Human ENTPD3 (His Tag) recombinant protein



Catalog Number: 500092

General Information

Gene Name Synonym

CD39 antigen-like 3; Ecto-ATP diphosphohydrolase 3; Ecto-apyrase 3; HB6

Protein Construction

A DNA sequence encoding the human ENTPD3 (O75355) extracellular domain (Gln 44-Pro 485) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to hydrolyze the 5'-phosphate groups from the substrate adenosine-5'-triphosphate (ATP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit (Catalog # DY996).

The specific activity is >70,000 pmol/min/μg.

Purity

> 97 % 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

Gln 44

Molecular Mass

The recombinant human ENTPD3 (aa44-485) consists of 452 amino acids and predicts a molecular mass of 51 kDa. It migrates as an approximately 50 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

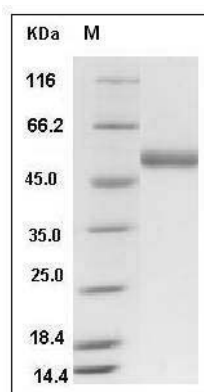
Storage

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 ENTPD3 / NTPDase3 / CD39L3 Protein (His Tag) SDS-PAGE