

General Information

Gene Name Synonym

CD39 antigen-like 4; ER-UDPase; Guanosine-diphosphatase ENTPD5; Nucleoside diphosphatase; Uridine-diphosphatase ENTPD5

Protein Construction

A DNA sequence encoding the human ENTPD5 (O75356) (Met 1-His 428) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to hydrolyze the 5'phosphate groups from the substrate guanosine5'diphosphate (GDP).
The specific activity is >7,000 pmoles/min/μg.

Purity

> 90 % 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

Val 21

Molecular Mass

The secreted recombinant human ENTPD5 consists of 418 amino acids and predicts a molecular mass of 47 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE 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

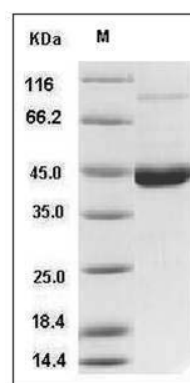
Storage

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 ENTPD5 Protein (His Tag) SDS-PAGE