Recombinant Human ENPP-1 Protein

Catalog No.: RP02960

Sequence Information

Species
Human

Gene ID
5167

Swiss Prot
P22413

Tags
C-His

Synonyms
ENPP1,ARHR2,COLED,M6S1,NPP1, NPPS,PC-1,PCA1,PDNP1

Product Information

Source
HEK293 cells

Purification
≥ 95% as determined by SDS-PAGE.

Calculated MW
95.95 kDa

Observed MW
120-150 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Ectonucleotide pyrophosphatase/phosphodiesterase (ENPP)-1 is a membrane-bound protein that catalyzes the hydrolysis of extracellular nucleoside triphosphates to monophosphate and extracellular inorganic pyrophosphate (ePPi). Mechanical stimulation regulates ENPP-1 expression.

Basic Information

Description
Recombinant Human ENPP-1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Lys98-Asp925) of human ENPP-1 (Accession #NP_006199.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by its ability to hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is >63600 pmol/min/μg, as measured under the described conditions.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
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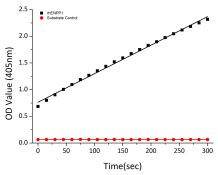
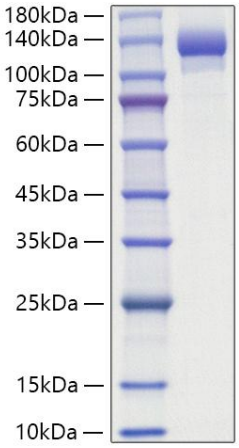
For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human ENPP-1 hydrolyze thymidine 5'-monophosphate p-nitrophenyl ester. The specific activity is >63600 pmol/min/μg, as measured under the described conditions.



Recombinant Human ENPP-1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.