Recombinant Human PRL-2 Protein

Catalog No.: RP02140

Sequence Information

Species
Human

Gene ID
8073

Swiss Prot
Q12974

Tags
C-His

Synonyms
PTP4A2,HH13,HH7-2,HU-PP-1, OV-1,PRL-2,PRL2,PTP4A, PTPCAAX2,ptp-IV1a,ptp-IV1b

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
20.2 kDa

Observed MW
18 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, 10mM β-ME, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube 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

PTP4A2, also known as PRL2 or PTPCAAX2, is short for Protein tyrosine phosphatase type IVA 2. This protein exists in cell membrane, cytoplasm, endosome and membrane. PTP4A2 is often farnesylated during post-translational modification. Farnesylation is required for membrane targeting and for interaction with RABGGTB. The unfarnesylated forms are redirected to the nucleus and cytosol. It can stimulate progression from G1 into S phase during mitosis and promotes tumors. It also inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB.

Basic Information

Description
Recombinant Human PRL-2 Protein is produced by E.coli expression system. The target protein is expressed with sequence (Met1-Gln167) of human PRL2 (Accession #Q12974) fused with a 6xHis tag at the C- terminus.

Activity

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℃

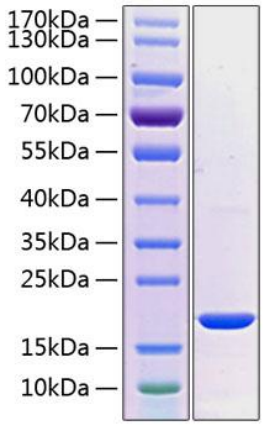
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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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 PRL-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.