Recombinant Human LAP3 Protein

Catalog No.: RP03194

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Sequence Information

Species
Human

Gene ID
51056

Swiss Prot
P28838

Tags
C-His

Synonyms
HEL-S-106; LAP; LAPEP; PEPS; LAP3

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
57.6 kDa

Observed MW
50-60 kDa

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

Formulation
Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20 % glycerol, 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

LAP3 (Leucine Aminopeptidase 3) is a Protein Coding gene. 2 alternative initiation human isoforms have been reported. LAP3, belonging to the peptidase M17 family, has been proved to catalyze the hydrolysis of leucine residues. It catalyzes the removal of unsubstituted N-terminal amino acids from various peptides and is presumably involved in the processing and regular turnover of intracellular proteins. Leucine aminopeptidases are involved in many pathological disorders and regulate cell proliferation, invasion, and/or angiogenesis of tumors. A recent study showed that LAP3 is highly expressed in several malignant and affects tumor angiogenesis. LAP3 is widely expressed in the appendix, lymph node, and other tissues. Diseases associated with LAP3 include Bacterial Vaginosis and Trichomoniasis.

Basic Information

Description
Recombinant Human LAP3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala519) of human LAP3 (Accession #NP_056991.2) fused with a His 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℃

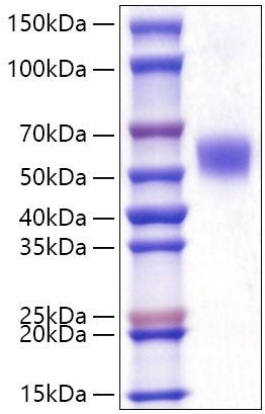
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human LAP3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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