

Recombinant Human LAP3/Cytosol Aminopeptidase Protein (His Tag)

Catalog Number: PKSH030544

Note: Centrifuge before opening to ensure complete recovery of vial contents.

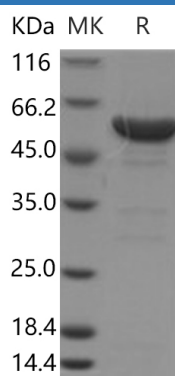
Description

Species	Human
Source	HEK293 Cells-derived Human LAP3/Cytosol Aminopeptidase protein Met 1-Ala519, with an C-terminal His
Calculated MW	57.6 kDa
Accession	NP_056991.2
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 20 % glycerol, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 90 % as determined by reducing SDS-PAGE.

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.

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