Cynomolgus ALPP Protein, His Tag

Catalog # ALP-C52H3

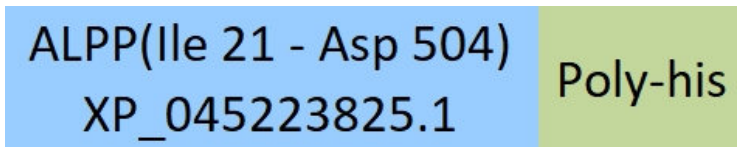
Synonym

PLAP

Source

Cynomolgus ALPP, His Tag(ALP-C52H3) is expressed from human 293 cells (HEK293). It contains AA Ile 21 - Asp 504 (Accession # XP_045223825.1). Predicted N-terminus: Ile 21

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 54.6 kDa. The protein migrates as 65-70 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 μm filtered solution in 50mM Tris,150mM NaCl pH7.3 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

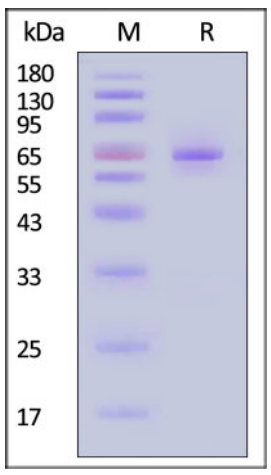
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

SDS-PAGE



Cynomolgus ALPP, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

Background

In most mammals there are four different isozymes: placental (ALPP), germ cell (ALPG), intestinal (ALPI) and tissue non-specific (liver/bone/kidney) (ALPL/TP). ALPP is also known as Alkaline phosphatase, placental type and PLAP. Alkaline phosphatase that can hydrolyze various phosphate compounds.

Clinical and Translational Updates