

Human C4.4A / LYPD3 Protein (His Tag)



Sino Biological Inc.

Biological Solution Specialist

Catalog Number: 11836-H08H

General Information

Gene Name Synonym:

C4.4A; 2310061G07Rik; C4.4a

Protein Construction:

A DNA sequence encoding the human LYPD3 (NP_055215.2) C-terminal segment (Met 1-His 286) was expressed, with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Leu 31

Molecular Mass:

The recombinant human LYPD3 consists of 267 amino acids and predicts a molecular mass of 28.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhLYPD3 is approximately 45-60 kDa due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

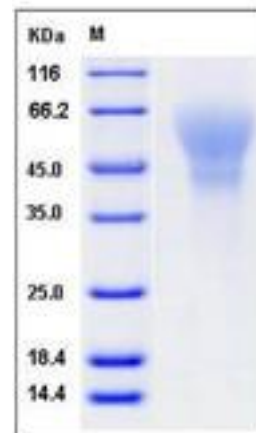
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Ly6 / PLAUR domain-containing protein 3, also known as GPI-anchored metastasis-associated protein C4.4A homolog, Matrigel-induced gene C4 protein, MIG-C4 and LYPD3, is a cell membrane protein which contains two UPAR/Ly6 domains. Human LYPD3 contains two UPAR/Ly6 domains. LYPD3 is expressed in placenta, skin and urothelium. It is found in suprabasal keratinocytes of chronic wounds. Weak expression of LYPD3 is found in esophagus and peripheral blood mononuclear cells. It is found in the majority of primary and metastatic transitional cell carcinomas (TCCs) and as well in breast cancer tissues, but not in adjacent normal tissues. High expression of LYPD3 is found in the tumor component of some noninvasive superficial lesions and in invasive and metastatic urothelial cancers. LYPD3 is up-regulated in migrating keratinocytes during epithelisation of incisional skin wounds. LYPD3 supports cell migration. It may be involved in urothelial cell-matrix interactions. It may also be involved in tumor progression

References

1. Smith B.A., et al., 2001, Cancer Res. 61:1678-85.
2. Wuerfel J., et al., 2001, Gene 262:35-41.
3. Clark H.F., et al., 2003, Genome Res. 13:2265-70.

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