Recombinant Human LYPD3 Protein (His Tag)

Catalog Number:PKSH033352



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

Description

Synonyms Ly6/PLAUR Domain-Containing Protein 3;GPI-Anchored Metastasis-Associated

Protein C4.4A Homolog; Matrigel-Induced Gene C4 Protein; MIG-

C4;LYPD3;C4.4A

Species Human

Expression Host HEK293 Cells
Sequence Leu31-His286
Accession O95274
Calculated Molecular Weight 27.9 kDa
Observed molecular weight 55-75 kDa

Properties

Tag

Purity > 95 % as determined by reducing SDS-PAGE.

C-His

Endotoxin < 1.0 EU per ug 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

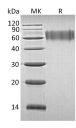
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Ly6/PLAUR domain containing3 (LYPD-3) is a GPI-linked protein. The structure of LYPD-3 is similar to the urokinasetype plasminogen activator receptor (uPAR). LYPD-3 is a 6-100 kDa molecule with variable cell type-specific N-O-linked glycosylation; mature human LYPD-3 contains two uPAR/Ly6 domains and a Ser/Thr/Pro-rich (STP) region includes a protease sensitive site . The interaction of LYPD-3 with Laminin 1 and 5 on neighboring cells promotes the adhesion; spreading; and migration of tumor cells. LYPD-3 additionally interacts with Galectin-3 and the anterior gradient proteins AG-2 and AG-3. LYPD-3 overexpression in non-small cell lung cancer is predictive of increased mortality.

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