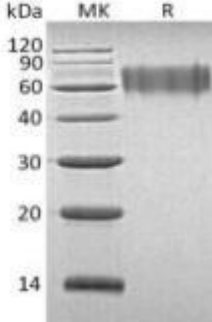


## Recombinant Human LYPD3

Catalog#:P00787    Derived from Human Cells

<b>DESCRIPTION</b>	<p>Recombinant Human Ly6/PLAUR Domain-Containing Protein 3 is produced by our Mammalian expression system and the target gene encoding Leu31-His286 is expressed with a 6His tag at the C-terminus.</p> <p><b>Accession#:</b> O95274</p> <p><b>Known as:</b> Ly6/PLAUR Domain-Containing Protein 3; GPI-Anchored Metastasis-Associated Protein C4.4A Homolog; Matrigel-Induced Gene C4 Protein; MIG-C4; LYPD3; C4.4A</p>
<b>FORMULATION</b>	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>SHIPPING</b>	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
<b>STORAGE</b>	<p>Lyophilized protein should be stored at &lt;-20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>
<b>RECONSTITUTION</b>	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100μg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
<b>QUALITY CONTROL</b>	<p><b>Mol Mass:</b>27.89kDa    <b>AP Mol Mass:</b>55-75kDa, reducing conditions.</p> <p><b>Purity:</b> Greater than 95% as determined by reducing SDS-PAGE.</p> <p><b>Endotoxin:</b> Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p>
<b>BACKGROUND</b>	<p>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.</p>
 <p><b>SDS-PAGE</b></p>	