



# Recombinant Protein Technical Manual

**Recombinant Human LYPD3 Protein (His Tag)(Active)**  
RPES2529

## Product Data:

**Product SKU:** RPES2529

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** NP\_055215.2

## Protein Information:

**Molecular Mass:** 27.9 kDa

**AP Molecular Mass:** 65 kDa

**Tag:** C-6His

**Bio-activity:** Immobilized Human LGALS3(Cat: PKSH032474) at 0.5µg/ml(100 µl/well) can bind Human LYPD3-His.

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

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** 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.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:** Functional ELISA

**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

## Immunogen Information:

**Sequence:** Leu31-His286

## 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 00 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.