



Recombinant Protein Technical Manual  
Recombinant Mouse DDR2 Kinase/CD167b Protein  
(His Tag)  
RPES4705

#### Product Data:

**Product SKU:** RPES4705

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q03146-2

#### Protein Information:

**Molecular Mass:** 43.5 kDa

**AP Molecular Mass:** 60-75 kDa

**Tag:** C-6His

**Bio-activity:**

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

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

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice or dry ice.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** Discoidin domain-containing receptor 2; Discoidin domain receptor 2; CD167 antigen-like family member B; Neurotrophic tyrosine kinase; receptor-related 3; Receptor protein-tyrosine kinase TKT; Tyrosine-protein kinase TYRO10; CD167b; Ddr2;Ntrkr3;tyro10

## Immunogen Information:

**Sequence:** Gln24-Arg399

## Background:

Discoidin domain receptor-2 (DDR2) is a cell surface tyrosine kinase receptor that can be activated by soluble collagen and has been implicated in diverse physiological functions including organism growth and wound repair. DDR2 binds to and is activated by collagen I, II, III, V, and X, with the notable exception of basement membrane collagen IV. DDR2 is expressed in connective tissues arising from embryonic mesoderm. DDR2 regulates cell proliferation, cell adhesion, migration, and extracellular matrix remodeling.