

## 32-18555: Mouse PROM1 Protein, hFc Tag

**Uniprot ID :** O54990

**Alternative Name :** Prom; AC133; CD133; Prom-1; Proml1; 4932416E19Rik

### Description

**Description :** Recombinant mouse PROM1 protein with C-terminal human Fc tag

**Background :** Predicted to enable actinin binding activity; cadherin binding activity; and cholesterol binding activity. Involved in camera-type eye photoreceptor cell differentiation and retina layer formation. Located in several cellular components, including brush border; photoreceptor outer segment; and prominosome. Is integral component of plasma membrane. Is expressed in several structures, including epithelium; eye; future hindbrain; genitourinary system; and nervous system. Used to study retinitis pigmentosa 41. Human ortholog(s) of this gene implicated in cone-rod dystrophy 12 and retinitis pigmentosa 41. Orthologous to human PROM1 (prominin 1).

**Molecular Characterization:** mass of 36.1 kDa after removal of the signal peptide.

**Tag :** C-Human Fc tag

### Product Info

**Amount :** 50 µg / 100 µg

**Purification :** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

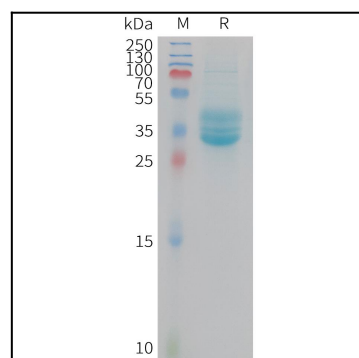


Figure 1. Mouse PROM1 Protein, hFc Tag on SDS-PAGE under reducing condition.