

Prolactin R Protein, Cynomolgus (HEK293, His)

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| Cat. No.: | HY-P700814 |
| Synonyms: | PRL-R; HPRL; MFAB; Prolactin R |
| Species: | Cynomolgus |
| Source: | HEK293 |
| Accession: | A0A2K5WXX1 (Q25-T236) |
| Gene ID: | 102139140 |
| Molecular Weight: | 35-50 kDa, due to glycosylation |

PROPERTIES

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| Biological Activity | Immobilized Cynomolgus PRLR, His Tag at 5 µg/mL (100 µl/well) on the plate. Dose response curve for Anti-PRLR Antibody, hFc Tag with the EC ₅₀ of ≤35 ng/mL determined by ELISA. |
| Appearance | Lyophilized powder |
| Formulation | Lyophilized from a 0.22 µm filtered solution of 50mM Tris, 150mM NaCl, pH 7.5. Normally 8% trehalose is added as protectant before lyophilization. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | Prolactin R Protein functions as a receptor specifically designed for the anterior pituitary hormone prolactin. Facilitating cellular responses to prolactin, this receptor engages in diverse molecular interactions, including its association with SMARCA1, suggesting potential involvement in chromatin remodeling processes. Additionally, Prolactin R Protein interacts with NEK3 and VAV2 in a prolactin-dependent manner, indicating a regulated interplay in response to prolactin stimulation. These interactions underscore the receptor's pivotal role in transducing prolactin-mediated signals, influencing cellular processes, and contributing to the regulation of diverse physiological functions. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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