

## Product Datasheet

### Human PRL R protein orb427850

<b>Description</b>	Recombinant of human PRL R protein
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Target</b>	PRL R
<b>Form/Appearance</b>	Sterile filtered white lyophilized powder. The Prolactin Receptor was lyophilized from a concentrated (0.4mg/ml) solution with 0.0045mM NaHCO <sub>3</sub> .
<b>Storage</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Note</b>	For research use only.
<b>Protein Sequence</b>	AGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLYHREGETLMHECPD YITGGPNSCHFGKQYTSMWRTYIMMVNATNQMGSSFSDELYVDVTYIVQP DPPELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKA AEWEIHFAGQTEFKILSLHPGQKYLQVRCRCPDHGYWSAWSPATFIQIP SDFTMNDTTVW.
<b>Purity</b>	>97.0% as determined by:(a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.(c) Gel filtration at pH 8 under non denaturative conditions.
<b>Source</b>	Escherichia Coli.
<b>Activity</b>	Activity is determined by the dose-dependant inhibition of Prolactin stimulated proliferation of Nb2 cells and by high affinity binding of ovine Prolactin and other lactogenic hormones in 1:1 molar ratio.
<b>Solubility (25°C)</b>	It is recommended to reconstitute the lyophilized PRLR in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml and not more than 1 mg/ml, which can then be further diluted to other aqueous solutions.
<b>Expiration Date</b>	6 months from date of receipt.