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32-8726: Recombinant Mouse Prolactin Receptor/PRLR (C-6His)

Gene : Prlr
Gene ID : 19116
Uniprot ID : Q08501

Description

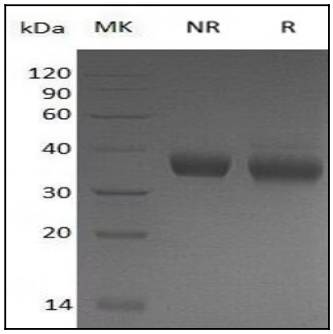
Source: Human Cells.
MW :25.6kD.
Recombinant Mouse Prolactin receptor is produced by our Mammalian expression system and the target gene encoding Gln20-Asp229 is expressed with a 6His tag at the C-terminus. The prolactin receptor (PRLR) is a member of the class I cytokine/lactogen receptor family which mediates the diverse cellular actions of prolactin in several tissues. PRLRs are expressed in normal and neoplastic human breast tissue, and in most breast cancer cells. PRLR contains an extracellular region that binds prolactin, a transmembrane region, and a cytoplasmatic region required for the activation of the Jak2Â–Stat5 signal transduction pathway by Prl which is essential for transcriptional activation of all known prolactin regulated genes. PRLRs have also been observed in ovarian follicular cells of mice, pigs, sheep, deer, and humans, as well as in luteal tissue in cow and horse ovaries. Furthermore, PRLR knockout mice exhibit failure of embryonic implantation, reduced number of mature oocytes, and low fertilization rates. Knockout females also display a reduced number of primary follicles.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	QSPPGKPEIHKCRSPDKETFTCWWNPGSDGGLPTNYSLTYSKEGEKNTYECPDYKTSGPNSCFFSKQYTSIWKI YIITVNATNEMGSSTSDPLYVDVTYIVEPEPPRNLTLEVKQLKDKKTYLWVKWLPPTITDVKTGWFTMEYEIRLKS EEADEWEIHFTGHQTQFKVFDLYPGQKYLVQTRCKPDHGYWSRWGQEKSIEIPNDFTLKDVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.



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For Research Use Only. Not for use in diagnostic/therapeutics procedures.