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Datasheet for ABIN7320784

Prolactin Receptor Protein (PRLR) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	Prolactin Receptor (PRLR)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin Receptor protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse PRLR/Prolactin Receptor Protein (Fc Tag)
Sequence:	Gln20-Asp229
Characteristics:	Recombinant Mouse Prolactin receptor is produced by our Mammalian expression system and the target gene encoding Gln20-Asp229 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Prolactin Receptor (PRLR)
Alternative Name:	PRLR/Prolactin Receptor (PRLR Products)
Background:	Background: 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

Target Details

cells. PRLR contains an extracellular region that binds prolactin, a transmembrane region, and a cytoplasmic region required for the activation of the Jak2-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.

Synonym: Prolactin receptor, PRL-R, Prlr, Prolactin R, PRLR

Molecular Weight: 51.7 kDa

UniProt: [Q08501](#)

Pathways: [JAK-STAT Signaling](#), [Response to Growth Hormone Stimulus](#)

Application Details

Restrictions: For Research Use only

Handling

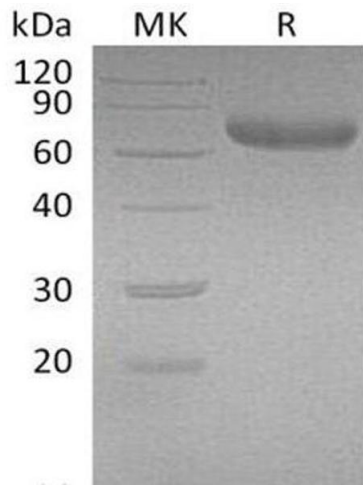
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.