Prolactin R/PRLR (PRLR) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Prolactin R/PRLR, Recombinant Protein
Full Product Name	Human Prolactin R/PRLR Recombinant Protein His Tag Lyophilized
Product Gene Name	PRLR recombinant protein
Host	HEK293 cells
Form/Format	This is a Lyophilized protein buffered in 50 mM Tris, 150 mM NaCl, pH7.5
Purity/Purification	>95% as determined by SDS-PAGE.
Preparation and Storage	Lyophilized Protein should be stored at -20 degree C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 degree C or -70 degree C. Avoid repeated freeze-thaw cycles.
Species	Human
Tag	His
Related Product Information for PRLR recombinant protein	Human Prolactin R/PRLR Recombinant Protein His Tag Lyophilized has been recombinantly produced in HEK293 cells. As a transmembrane receptor, the prolactin receptor (PRL-R) interacts with prolactin. In addition, the PRL-R also binds and is activated by growth hormone (GH) and human placental lactogen (hPL). Preclinical investigations, epidemiological studies and analyses of tissue specimens from patients strongly support the contribution of prolactin receptor (PRLR) signaling to breast and prostate tumorigenesis and cancer progression. Moreover, The PRLR has been found to be essential for lobuloalveolar maturation of the mammary glands during pregnancy, as evidenced by the fact that PRLR knockout mice show severely impaired development of lobuloalveolar structures. This protein carries a polyhistidine Tag at the C-terminal. The protein has a calculated MW of 26.3 kDa. The protein migrates as 35-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Other Notes	Small volumes of PRLR recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRLR purchase	MBS8433210 is a recombinant protein targeting PRLR. Also known as Human Prolactin R/PRLR Recombinant Protein His Tag Lyophilized. Host: HEK293 cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRLR. It may not necessarily be applicable to this product.

Protein Family	Prolactin receptor
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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