

Prolactin (PRL) Active Protein | PRL active protein

Recombinant Human Prolactin (PRL)

CATALOG #
AAA214290

HOST
E Coli

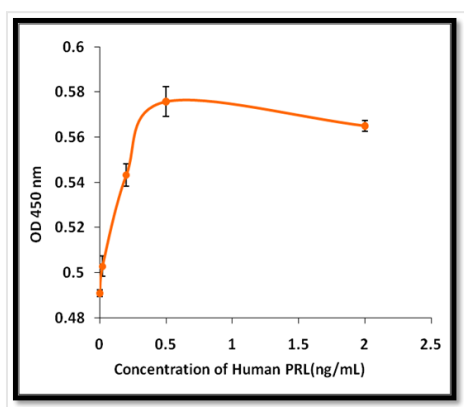
PRODUCT SYNONYMS

Prolactin (PRL); Recombinant Human Prolactin (PRL); Luterotropic hormone; Lutetropin; Mamotropin; PRL; PRL active protein

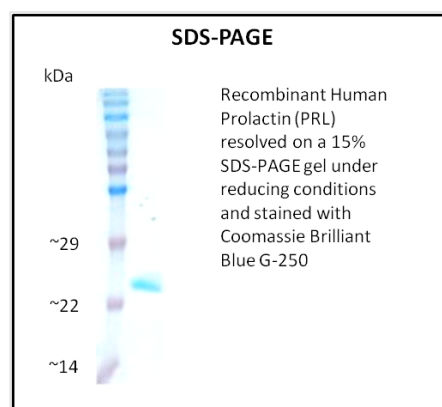
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a concentrated solution in PBS.
Sequence Length	227
Bioactivity	Determined by its ability to induce the proliferation of rat Nb2-11 cells in the concentration range of 0.1-1.0 ng/ml.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	It is recommended to reconstitute lyophilized PRL in sterile distilled water to no less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for PRL active protein

Synthesized primarily by the pituitary gland, prolactin is a neuroendocrine hormone that functions to promote and maintain lactation and has also been shown to play a role in breast cancer development, regulation of reproductive function and immune-regulation. While Human prolactin shares only 60% and 63% amino acid sequence identity with mouse and rat prolactin, respectively, the human prolactin receptor can be activated by Rat PRL. Recombinant Human PRL is a single, non-glycosylated polypeptide chain with a molecular mass of 23 kDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	254675133
NCBI GeneID	5617
NCBI Accession #	NP_001157030.1
NCBI GenBank Nucleotide #	NP_001157030.1
UniProt Accession #	P01236
Molecular Weight	23.0 kDa
NCBI Official Full Name	prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	PRL
NCBI Official Synonym Symbols	GHA1
NCBI Protein Information	prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/prolactin-prl/214290>