

Prolactin Active Protein | PRL active protein

Active Prolactin (PRL)

CATALOG # AAA150103	APPLICATIONS Activity Assay, Cell Culture
-------------------------------	---

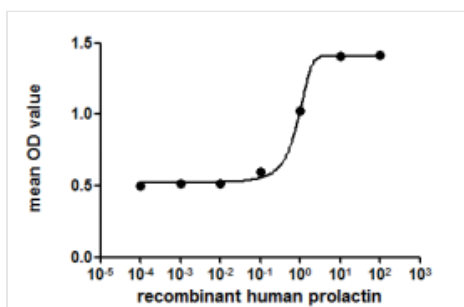
PRODUCT SYNONYMS

Prolactin; Active Prolactin (PRL); LTH; Luteotropic Hormone; PRL active protein

PRODUCT SPECIFICATIONS

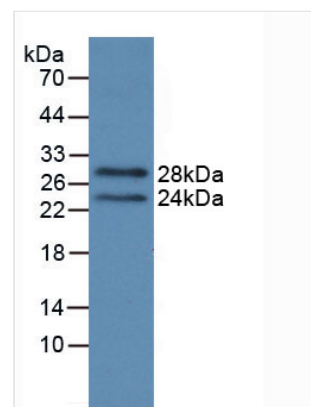
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence Positions	Leu29~Cys227
Sequence Length	227
Applicable Applications for PRL active protein	Activity Assay, Cell Culture
Species	Human
Tag	N-terminal His Tag
Isoelectric Point	6.2
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

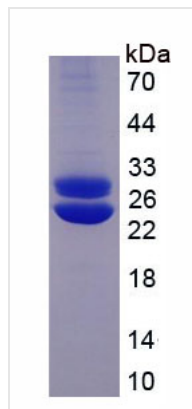


Application Data

The dose-effect curve of PRL was shown in Figure 2. It was obvious that PRL significantly promoted cell proliferation of MCF-7 cells. The ED50 for this effect is typically 3.709 to 8.973 ng/mL. Figure. The dose-effect curve of PRL on MCF-7 cells.



WB (Western Blot)
Figure. Western Blot



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for PRL active protein	Endocrinology; Reproductive science; Genetic science; Hormone metabolism
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	74756626
UniProt Accession #	Q5THQ0
Molecular Weight	Predicted Molecular Mass: 23.4kDa Accurate Molecular Mass: 24kDa, 28kDa
NCBI Official Full Name	Prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Entry Name	Q5THQ0_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/prl-active-protein/prolactin/150103>