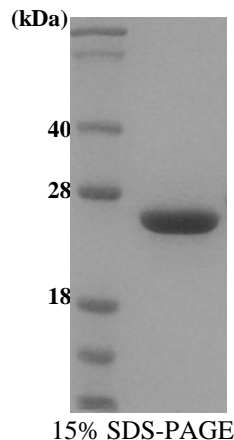


Product: Prolactin (29-227), Human Recombinant
Catalog #: 01-2242
Amount: 50 µg

SOURCE: Recombinant, E. coli
DESCRIPTION: Prolactin is a hormone synthesised and secreted by lactotrope cells in the adenohypophysis (anterior pituitary gland). Prolactin has many effects, the most significant of which is to stimulate the mammary glands to produce milk (lactation). Increased serum prolactin during pregnancy causes enlargement of the mammary glands of the breasts and increases the production of milk. Recently, prolactin has demonstrated broader roles in breast cancer development, regulation of reproductive function, and immunoregulation. Prolactin was expressed in E. coli and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

AA Sequence:

MLPICPGGAA RCQVTLRDLF DRAVVLSHYI HNLSSSEMFSE
FDKRYTHGRG FITKAINSCH TSSLATPEDK EQAQQMNQKD
FLSLIVSILR SWNEPLYHLV TEVRGMQEAP EAILSKA VEI
EEQTKRLLEG MELIVSQVHP ETKENEIYPV WSGLPSLQMA
DEESRLSAYY NLLHCLRRDS HKIDNYLKLL KCRIHNNNC



PURITY: ≥ 95% by SDS PAGE
MOLECULAR WEIGHT: 23.0 kDa (200 amino acid)
CONCENTRATION: 1mg/ml
PRESENTATION: Purified, In Phosphate buffer saline (pH 7.4)
STORAGE/STABILITY: -20°C (aliquot), Avoid repeated freeze and thaw cycles.

Reference:

Ben-Jonathan N. *et al.*, (1996) *Endocrine Rev.* **17**, 639-669
Cooke NE. *et al.*, (1981) *J. Biol. Chem.* **256**, 4007-4016
Goffin V, *et al.*, (1999) *Mol Cell Endocrinol.* **151**, 79-87.

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