

RPA441Hu02 10µg

Recombinant Luteinizing Hormone (LH)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala25~Ser116+GGGS*3+Ser21~Leu141

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 400µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 8.0

Predicted Molecular Mass: 28.0kDa

Accurate Molecular Mass: 43kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affect the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Aliquot and store at -80°C for 12 months.

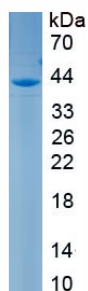
[SEQUENCE]

		APDVQD	CPECTLQENP	FFSQPGAPIL
QCMGCCFSRA	YPTPLRSKKT	MLVQKNVTSE	STCCVAKSYN	RVTVMGGFKV
ENHTACHCST	CYYHKS	GGGGSGGGGSGGGGS		
		SREPLRPWCH	PINAILAVEK	EGCPVCITVN
TTICAGYCPT	MMRVLQAVLP	PLPQVVCTYR	DVRFESIRLP	GCPRGVDPVV
SFPVALSCRC	GPCRRSTSDC	GGPKDHPLTC	DHPQLSGLLF	L

A P D V Q D C P E C T L Q E N P F F S Q P G A P I L Q C M G C C F S R A Y P T P L R S K K T M L V Q K N V T S E S T C C V A K S Y N R V I V M G G F K V E N H T A C H



SDS-PAGE gel image showing a single band at approximately 44 kDa. The molecular weight markers are indicated on the right side of the gel in kDa: 70, 44, 33, 26, 22, 18, 14, and 10.



[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.