

## Human Leptin receptor gene related protein (LEPROT) ELISA Kit | LEPROT elisa kit

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CATALOG #  
**AAA245457**

REACTIVITY  
**Human**

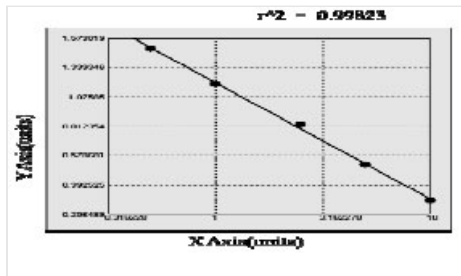
### PRODUCT SYNONYMS

Leptin receptor gene related protein (LEPROT); Human Leptin receptor gene related protein (LEPROT) ELISA Kit; LEPROT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for LEPROT elisa kit

**Intended Uses:** This LEPROT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LEPROT.

**Principle of the Assay:** LEPROT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LEPROT antibody and an LEPROT-HRP conjugate. The assay sample and buffer are incubated together with LEPROT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LEPROT concentration since LEPROT from samples and LEPROT-HRP conjugate compete for the anti-LEPROT antibody binding site. Since the number of sites is limited, as more sites are occupied by LEPROT from the sample, fewer sites are left to bind LEPROT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LEPROT concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for LEPROT elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 310923132                                                                                                                                                                                                        |
| NCBI GeneID                      | 54741                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_001185612.1                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001198683.1                                                                                                                                                                                                   |
| Molecular Weight                 | 14,254 Da                                                                                                                                                                                                        |
| NCBI Official Full Name          | leptin receptor gene-related protein isoform 3                                                                                                                                                                   |
| NCBI Official Synonym Full Names | leptin receptor overlapping transcript                                                                                                                                                                           |
| NCBI Official Symbol             | LEPROT                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | LEPR; VPS55; OBRGRP; OB-RGRP                                                                                                                                                                                     |
| NCBI Protein Information         | leptin receptor gene-related protein; endospanin-1; OB-R gene-related protein; leptin receptor gene related protein; DnaJ (Hsp40) homolog, subfamily C, member 6; leptin receptor overlapping transcript protein |
| UniProt Protein Name             | Leptin receptor gene-related protein                                                                                                                                                                             |
| UniProt Gene Name                | <b>LEPROT</b>                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | LEPR; OBR; OB-RGRP                                                                                                                                                                                               |
| UniProt Entry Name               | OBRG_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://www.aaabiotech.com/human-elisa-kits/leptin-receptor-gene-related-protein-leprot/245457>