

# Human bone morphogenetic protein receptor, type II (serine/threonine kinase) ELISA Kit | BMPR2 elisa kit

Human Bone morphogenetic protein receptor II, BMPR-II ELISA Kit

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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA15514</b> | REACTIVITY<br><b>Human</b> |
|------------------------------|----------------------------|

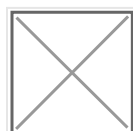
## PRODUCT SYNONYMS

bone morphogenetic protein receptor; type II (serine/threonine kinase); Human Bone morphogenetic protein receptor II; BMPR-II ELISA Kit; BMPR-II; BMPR3; BMR2; BRK-3; FLJ41585; FLJ76945; PPH1; T-ALK; BMP type II receptor; bone morphogenetic protein receptor type II; bone morphogenetic protein receptor type-2; type II activin receptor-like; BMPR2 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human BMPR- II. No significant cross-reactivity or interference between human BMPR- II and analogues was observed. |
| Sequence Length         | 1038                                                                                                                                                                                          |
| Samples                 | Serum, plasma, tissue homogenates, cell lysates                                                                                                                                               |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                         |
| Detection Range         | 6.25 pg/ml-400 pg/ml                                                                                                                                                                          |
| Sensitivity             | < 1.56 pg/ml                                                                                                                                                                                  |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                              |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                       |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                             |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

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| Related Product Information for BMPR2 elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for BMPR- II has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BMPR- II present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BMPR- II is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BMPR- II bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 15451916                                                                                                                                                                                                                            |
| NCBI GeneID                      | 659                                                                                                                                                                                                                                 |
| NCBI Accession #                 | NP_001195.2                                                                                                                                                                                                                         |
| NCBI GenBank Nucleotide #        | NM_001204.6                                                                                                                                                                                                                         |
| UniProt Accession #              | Q13873; Q13161; Q16569; Q4ZG08; Q53SA5; Q585T8                                                                                                                                                                                      |
| Molecular Weight                 | 115,201 Da                                                                                                                                                                                                                          |
| NCBI Official Full Name          | bone morphogenetic protein receptor type-2                                                                                                                                                                                          |
| NCBI Official Synonym Full Names | bone morphogenetic protein receptor, type II (serine/threonine kinase)                                                                                                                                                              |
| NCBI Official Symbol             | BMPR2                                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | BMR2; PPH1; BMPR3; BRK-3; POVD1; T-ALK; BMPR-II                                                                                                                                                                                     |
| NCBI Protein Information         | bone morphogenetic protein receptor type-2; BMPR-2; BMP type-2 receptor; BMP type II receptor; type II activin receptor-like kinase; bone morphogenetic protein receptor type II; type II receptor for bone morphogenetic protein-4 |
| UniProt Protein Name             | Bone morphogenetic protein receptor type-2                                                                                                                                                                                          |
| UniProt Gene Name                | <b>BMPR2</b>                                                                                                                                                                                                                        |
| UniProt Synonym Gene Names       | PPH1; BMP type-2 receptor; BMPR-2; BMP type II receptor; BMPR-II                                                                                                                                                                    |
| UniProt Entry Name               | BMPR2_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/bmpr2-human-elisa-kits/bone-morphogenetic-protein-receptor-type-ii-serine-threonine-kinase/15514>