

Human Protein Phosphatase 1 Regulatory Subunit 15B (PPP1R15B) ELISA Kit | PPP1R15B elisa kit

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CATALOG # AAA331371	REACTIVITY Human
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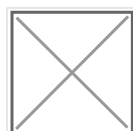
PRODUCT SYNONYMS

Protein Phosphatase 1 Regulatory Subunit 15B (PPP1R15B); Human Protein Phosphatase 1 Regulatory Subunit 15B (PPP1R15B) ELISA Kit; PPP1R15B; FLJ14744; protein phosphatase 1; regulatory subunit 15B; PPP1R15B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein phosphatase 1 regulatory subunit 15B (PPP1R15B) ELISA Kit has high sensitivity and excellent specificity for detection of Human PPP1R15B. No significant cross-reactivity or interference between Human PPP1R15B and analogues was observed.
Sequence Length	713
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein phosphatase 1 regulatory subunit 15B (PPP1R15B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PPP1R15B elisa kit	Description: This Human Protein phosphatase 1 regulatory subunit 15B (PPP1R15B) ELISA Kit employs a two-site sandwich ELISA to quantitate PPP1R15B in samples. An antibody specific for PPP1R15B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PPP1R15B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PPP1R15B is added to the wells. After washing, Streptavidin 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 PPP1R15B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PPP1R15B promotes dephosphorylation of the transcription initiation factor EIF2-alpha (EIF2S1) through recruitment of protein phosphatase-1 (PP1) catalytic subunits. Ppp1r15b -/- mice showed low hematocrit and red blood cell count, with qualitative abnormalities in red cell size and shape. Histologic examination of mutant liver was consistent with compensatory proliferation of blood precursors. Ppp1r15b -/- mouse embryo fibroblasts showed elevated Eif2-alpha phosphorylation. Ppp1r15b -/- embryos that were also homozygous for an Eif2-alpha mutation that prevented Eif2-alpha phosphorylation were normalized, including elevated birth size and restored red blood cell count, compared with Ppp1r15b -/- embryos with wildtype Eif2-alpha.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74743925
UniProt Accession #	Q5SWA1
NCBI Official Full Name	Protein phosphatase 1 regulatory subunit 15B
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 15B
UniProt Gene Name	PPP1R15B
UniProt Entry Name	PR15B_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/human-elisa-kits/protein-phosphatase-1-regulatory-subunit-15b-ppp1r15b/331371>