

Human Polymerase I And Transcript Release Factor (PTRF) ELISA Kit | PTRF elisa kit

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CATALOG #
AAA331226

REACTIVITY
Human

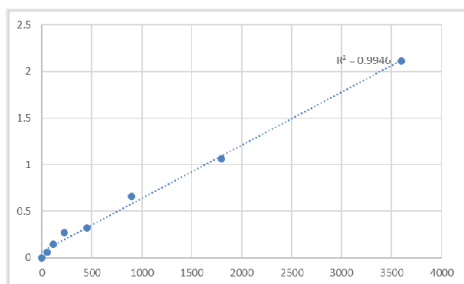
PRODUCT SYNONYMS

Polymerase I And Transcript Release Factor (PTRF); Human Polymerase I And Transcript Release Factor (PTRF) ELISA Kit; PTRF; FKSG13; FLJ90031; cavin-1; RNA polymerase I and transcript release factor; TTF-I interacting peptide 12; PTRF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Polymerase I and transcript release factor (PTRF) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTRF. No significant cross-reactivity or interference between Human PTRF and analogues was observed.
Sequence Length	390
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 Polymerase I and transcript release factor (PTRF) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTRF elisa kit	Description: This Human Polymerase I and transcript release factor (PTRF) ELISA Kit employs a two-site sandwich ELISA to quantitate PTRF in samples. An antibody specific for PTRF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTRF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTRF 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 PTRF bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PTRF encodes a protein that enables the dissociation of paused ternary polymerase I transcription complexes from the 3' end of pre-rRNA transcripts. This protein regulates rRNA transcription by promoting the dissociation of transcription complexes and the reinitiation of polymerase I on nascent rRNA transcripts. This protein also localizes to caveolae at the plasma membrane and is thought to play a critical role in the formation of caveolae and the stabilization of caveolins. This protein translocates from caveolae to the cytoplasm after insulin stimulation. Caveolae contain truncated forms of this protein and may be the site of phosphorylation-dependent proteolysis. This protein is also thought to modify lipid metabolism and insulin-regulated gene expression.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56749614
NCBI GeneID	284119
UniProt Accession #	Q6NZI2
NCBI Official Full Name	Caveolae-associated protein 1
NCBI Official Synonym Full Names	caveolae associated protein 1
NCBI Official Symbol	CAVIN1
NCBI Official Synonym Symbols	CGL4; PTRF; CAVIN; FKSG13; cavin-1
NCBI Protein Information	caveolae-associated protein 1
UniProt Protein Name	Polymerase I and transcript release factor
UniProt Gene Name	PTRF
UniProt Entry Name	PTRF_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.