

Human CUGBP Elav-Like Family Member 3 (TNRC4) ELISA Kit | TNRC4 elisa kit

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CATALOG #
AAA330399

REACTIVITY
Human

PRODUCT SYNONYMS

CUGBP Elav-Like Family Member 3 (TNRC4); Human CUGBP Elav-Like Family Member 3 (TNRC4) ELISA Kit; TNRC4; BRUNOL1; CAGH4; CELF3; ERDA4; MGC57297; CAG repeat domain; CUG-BP and ETR-3 like factor 3; expanded repeat domain; CAG/CTG 4; TNRC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human CUGBP Elav-like family member 3 (TNRC4) ELISA Kit has high sensitivity and excellent specificity for detection of Human TNRC4. No significant cross-reactivity or interference between Human TNRC4 and analogues was observed.
Sequence Length	465
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 CUGBP Elav-like family member 3 (TNRC4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNRC4 elisa kit	Description: This Human CUGBP Elav-like family member 3 (TNRC4) ELISA Kit employs a two-site sandwich ELISA to quantitate TNRC4 in samples. An antibody specific for TNRC4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNRC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNRC4 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 TNRC4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CELF proteins, including CELF3, bound RNA containing muscle-specific splicing enhancer (MSE) elements and could activate MSE-dependent exon inclusion of cardiac troponin T (TNNT2) minigenes in transfected quail fibroblasts. The deduced 462-amino acid protein contains 2 N-terminal RNA recognition motifs (RRMs), a C-terminal RRM, several potential phosphorylation sites, and a nuclear localization signal near the C terminus. activated inclusion of exon 10 in a tau (MAPT) minigene. Deletion and mutation analyses showed that the activity of TNRC4 on tau exon 10 splicing required RRM2 in TNRC4 and an intronic element in tau pre-mRNA. The polyglutamine sequence of TNRC4 had no effect on tau exon 10 splicing. Tnrc4 -/- mice exhibited decreased inclusion of exon 10 in tau mRNA.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	71164894
NCBI GeneID	11189
NCBI Accession #	NP_009116.3
NCBI GenBank Nucleotide #	NP_009116.3
UniProt Accession #	Q5SZQ8
NCBI Official Full Name	CUGBP Elav-like family member 3 isoform 1
NCBI Official Synonym Full Names	CUGBP Elav-like family member 3
NCBI Official Symbol	CELF3
NCBI Official Synonym Symbols	CAGH4; ERDA4; ETR-1; TNRC4; BRUNOL1
NCBI Protein Information	CUGBP Elav-like family member 3
UniProt Protein Name	CUGBP Elav-like family member 3
UniProt Gene Name	CELF3
UniProt Synonym Gene Names	BRUNOL1; CAGH4; ERDA4; TNRC4; CELF-3; ETR-1
UniProt Entry Name	CELF3_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.