

# Human Transforming Growth Factor-beta-Stimulated Protein clone-22 (TSC22) ELISA Kit | TSC22 elisa kit

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CATALOG #  
**AAA330349**

REACTIVITY  
**Human**

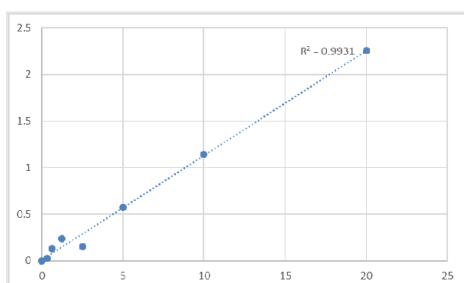
## PRODUCT SYNONYMS

Transforming Growth Factor-beta-Stimulated Protein clone-22 (TSC22); Human Transforming Growth Factor-beta-Stimulated Protein clone-22 (TSC22) ELISA Kit; TSC22D1; DKFZp686O19206; MGC17597; RP11-269C23.2; TGFB1I4; TSC22; TSC22 domain family 1; isoform 2; transforming growth factor beta 1 induced transcript 4; transforming growth factor beta-stimulated protein TS; TSC22 elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Transforming growth factor-beta-stimulated Protein clone-22 (TSC22) ELISA Kit has high sensitivity and excellent specificity for detection of Human TSC22D1. No significant cross-reactivity or interference between Human TSC22D1 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Length         | 570                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## IMAGES



**Standard Curve (Sample)**

Fig.1. Human Transforming growth factor-beta-stimulated Protein clone-22 (TSC22) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TSC22 elisa kit | <p>Description: This Human Transforming growth factor-beta-stimulated Protein clone-22 (TSC22) ELISA Kit employs a two-site sandwich ELISA to quantitate TSC22D1 in samples. An antibody specific for TSC22D1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TSC22D1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TSC22D1 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 TSC22D1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: domain family 1 is a member of a family of leucine zipper containing transcription factors with repressor activity and belongs to the large family of early response genes. TSC-22 regulates cell growth and differentiation, and cell death. Leucine zipper structure of TSC22 inhibits the anchorage independent growth of cancer cells. TSC-22 is also an important downstream component of peroxisome proliferator-activated receptor (PPAR) and TGF-beta signaling during intestinal epithelial cell differentiation. TSC22 encodes a transcription factor and belongs to the large family of early response genes.TSC22D1 forms homodimers via its conserved leucine zipper domain and heterodimerizes with TSC22D4. TSC22D1 has transcriptional repressor activity.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 345090986                               |
| NCBI GeneID                      | 8848                                    |
| NCBI Accession #                 | NP_001230728.1                          |
| NCBI GenBank Nucleotide #        | NP_001230728.1                          |
| UniProt Accession #              | Q15714                                  |
| NCBI Official Full Name          | TSC22 domain family protein 1 isoform 4 |
| NCBI Official Synonym Full Names | TSC22 domain family member 1            |
| NCBI Official Symbol             | TSC22D1                                 |
| NCBI Official Synonym Symbols    | Ptg-2; TSC22; TGFB1I4                   |
| NCBI Protein Information         | TSC22 domain family protein 1           |
| UniProt Protein Name             | TSC22 domain family protein 1           |
| UniProt Gene Name                | TSC22D1                                 |
| UniProt Synonym Gene Names       | KIAA1994; TGFB1I4; TSC22                |
| UniProt Entry Name               | T22D1_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.