

## Human DKK-3 ELISA Kit | DKK3 elisa kit

Human DKK-3 PicoKine Quick ELISA Kit

|                               |                            |                              |
|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA126835</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

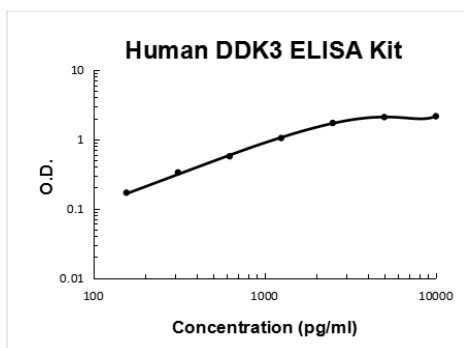
### PRODUCT SYNONYMS

DKK-3; Human DKK-3 PicoKine Quick ELISA Kit; DKK3 elisa kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                 |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Human                                                                                                                                                                                           |
| Specificity                                | Natural and recombinant Human DKK3                                                                                                                                                              |
| Assay Type                                 | Sandwich                                                                                                                                                                                        |
| Samples                                    | Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                                                                                       |
| Detection Range                            | 156 pg/ml - 10,000 pg/ml                                                                                                                                                                        |
| Sensitivity                                | <10 pg/ml                                                                                                                                                                                       |
| Applicable Applications for DKK3 elisa kit | ELISA                                                                                                                                                                                           |
| Intra-assay Precision                      | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.                                               |
| Inter-assay Precision                      | Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.                                           |
| Preparation and Storage                    | Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.) |

### IMAGES



Standard Curve (Sample)

Human DDK3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

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| Related Product Information for DKK3 elisa kit | <p>Background: Dickkopf-related protein 3 is a protein that in humans is encoded by the DKK3 gene. This gene encodes a protein that is a member of the dickkopf family. It is mapped to 11p15.3. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Members of the Dkk-related family display unique patterns of mRNA expression in human and mouse tissues, and are secreted when expressed in 293T cells. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease.</p> <p>Principle of the Assay: The Quick Picokine™ Human DKK3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human DKK3 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human DKK3 protein as standards. To measure Human DKK3, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human DKK3 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human DKK3 in the sample.</p> |
| Product Categories/Family for DKK3 elisa kit   | PicoKine ELISA Kits, Fast ELISA Kits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 66346689                                                                                                                                       |
| NCBI GeneID                      | 27122                                                                                                                                          |
| NCBI Accession #                 | NP_001018067.1                                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001018057.1                                                                                                                                 |
| UniProt Accession #              | Q9UBP4; Q9ULB7; A8K1I2; D3DQW1                                                                                                                 |
| Molecular Weight                 | 38,390 Da                                                                                                                                      |
| NCBI Official Full Name          | dickkopf-related protein 3                                                                                                                     |
| NCBI Official Synonym Full Names | dickkopf WNT signaling pathway inhibitor 3                                                                                                     |
| NCBI Official Symbol             | DKK3                                                                                                                                           |
| NCBI Official Synonym Symbols    | RIG; REIC                                                                                                                                      |
| NCBI Protein Information         | dickkopf-related protein 3; dkk-3; hDkk-3; dickkopf-3; RIG-like 5-6; RIG-like 7-1; dickkopf 3 homolog; dickkopf homolog 3; regulated in glioma |
| UniProt Protein Name             | Dickkopf-related protein 3                                                                                                                     |
| UniProt Gene Name                | DKK3                                                                                                                                           |
| UniProt Synonym Gene Names       | REIC; Dickkopf-3; Dkk-3; hDkk-3                                                                                                                |
| UniProt Entry Name               | DKK3_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.