



Recombinant Protein Technical Manual

Recombinant Human DKK3 Protein (His Tag)

RPES2330

Product Data:

Product SKU: RPES2330

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UBP4

Protein Information:

Molecular Mass: 37.2 kDa

AP Molecular Mass: 73 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Dickkopf-Related Protein 3; Dickkopf-3; Dkk-3; hDkk-3; DKK3; REIC

Immunogen Information:

Sequence: Ala22-Ile350

Background:

Dickkopf-related protein 3 (DKK3) belongs to the DKK protein family including Dkk, 2, 3 and -4. DKK3 is a 350 amino acid secreted glycoprotein which is comprised of an N-terminal signal peptide and 2 conserved cysteine-rich domains that are separated by a 12 amino acid linker region. Dkk-3 also have one prokineticin domain. DKK3 is involved in embryonic development through its inhibition of the WNT signaling pathway. The Dkk family also includes Soggy, which is homologous to Dkk-3 but not to the other family members. Soggy has not been shown to inhibit Wnt signaling, and its role in the pathway is unclear.