

Active GMP Recombinant Human DKK1 Protein

Cat. No. DKK1-145HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DKK1, Thr32-His266, was produced in Sf 21 (baculovirus)-derived under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	32-266 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit Wnt-3a-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells.
Molecular Mass	Predicted Molecular Mass: 25.8 kDa SDS-PAGE: 33-38 kDa, reducing conditions
N-terminal Sequence Analysis	Thr-Leu-Asn-Ser-Val-Leu-Asn-Ser-Asn-Ala
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles.

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12 months, -20 to -70 centigrade as supplied.
 1 month, 2 to 8 centigrade under sterile conditions after reconstitution.
 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

Quality Statement Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name DKK1 dickkopf 1 homolog (*Xenopus laevis*) [*Homo sapiens*]

Official Symbol DKK1

Synonyms DKK1; dickkopf-related protein 1; DKK 1; SK; hDkk-1; dickkopf-1 like; dickkopf related protein-1; DKK-1;

Gene ID 22943

mRNA Refseq NM_012242

Protein Refseq NP_036374

MIM 605189

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UniProt ID

O94907

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