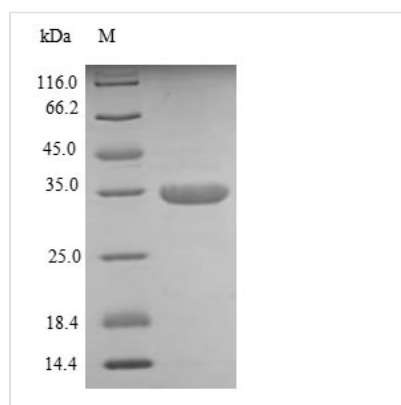




# Recombinant Human Dickkopf-related protein 1 (DKK1), partial Escherichia Coli

<b>Product Code</b>	CSB-EP006920HU
<b>Abbreviation</b>	Recombinant Human DKK1 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O94907
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LNSVLNSN AIKNLPPPLG GAAGHPGSAV SAAPGILYPG GNKYQTIDNY QPYPCAEED E CGTDEYCASP TRGGDAGVQI CLACRKRRKR CMRHAMCCPG NYCKNGICVS SDQNHFRGEI EETITESFGN DHSTLDGYSR RTTLSSKMYH TKGQEGSVCL RSSDCASGLC CARHFWSKIC KPVLKEGQVC TKHRRKGSYG LEIFQRCYCG EGLSRIQKD HHQASNSSRL HTCQRH
<b>Source</b>	E.coli
<b>Target Names</b>	DKK1
<b>Protein Names</b>	Recommended name: Dickkopf-related protein 1 Short name= Dickkopf-1 Short name= Dkk-1 Short name= hDkk-1Alternative name(s): SK
<b>Expression Region</b>	33-266
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Protein Length</b>	partial

## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



## Description

The preparation of Recombinant Human DKK1 protein included 3 main steps: construct the expression vector, expression of protein of interest, and protein purification. Every step was performed under a strict QC system so that we got the premium protein. This DKK1 was expressed in E.coli. According to SDS-PAGE, the purity turns out to be 85%+.

DKK1, a secreted protein, was first found in *Xenopus* and involved in the head formation and limb morphogenesis during vertebrate development. Abnormal expression of DKK1 has now emerged as an important regulator in a variety of human cancers. For example, some reports discovered that DKK1 was overexpressed in hepatocellular carcinoma (HCC) and myeloma, acting as a tumor promoter. By contrast, DKK1 expression was downregulated in renal cell carcinoma and colorectal cancers, indicating that it might function as a tumor suppressor. Certain reports suggested that the downregulation of DKK1 increased proliferation of epithelial cells in the large intestine, which was associated with increased transcriptional activity of  $\beta$ -catenin. While some findings implied that DKK1 overexpression inhibits proliferation and migration in human retinal pigment epithelial cells via the Wnt/ $\beta$ -catenin signaling pathway.

## Shelf Life

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