

Product datasheet for **TP723065**

DKK1 (NM_012242) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human dickkopf homolog 1 (Xenopus laevis) (DKK1).
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	TLNSVLNSNA IKNLPPPLGG AAGHPGSAVS AAPGILYPGG NKYQTIDNYQ PYPCAEDEEC GTDEYCASPT RGGDAGVQIC LACRKRKRC MRHAMCCPGN YCKNGICVSS DQNHFRGEIE ETITESFGND HSTLDGYSRR TTLSSKMYHT KGQEGSVCLR SSDCASGLCC ARHFWSKICK PVLKEGVQCT KHRRKGSHGL EIFQRCCYCGE GLSCRIQKDH HQASNSSRLH TCQRH
Tag:	Tag Free
Predicted MW:	28.7
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μM filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to inhibit the proliferation of HCT116 colorectal carcinoma cells. Approximately 40% growth inhibition was achieved at a DKK-1 concentration of 200ng/ml. Cell treatment (PMID: 28090290)
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_036374
Locus ID:	22943
UniProt ID:	O94907
RefSeq Size:	1815
Cytogenetics:	10q21.1
RefSeq ORF:	798
Synonyms:	DKK-1; SK



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Summary:	This gene encodes a member of the dickkopf family of proteins. Members of this family are secreted proteins characterized by two cysteine-rich domains that mediate protein-protein interactions. The encoded protein binds to the LRP6 co-receptor and inhibits beta-catenin-dependent Wnt signaling. This gene plays a role in embryonic development and may be important in bone formation in adults. Elevated expression of this gene has been observed in numerous human cancers and this protein may promote proliferation, invasion and growth in cancer cell lines. [provided by RefSeq, Sep 2017]
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - Wnt Signaling pathway
Protein Pathways:	Wnt signaling pathway