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**Product Data Sheet**


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Product Name: DKK1 Mouse  
 Cat. No.: GP26280  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Dkk-1, mDkk-1, Dkk1, Dickkopf-related protein 1, Dickkopf-1.		
Amino Acid Sequence	TLNSVLINSN AIKNLPPPLG GAGGQPGSAV SVAPGVLYEG GNKYQTLDNY QPYPCAEDEE CGSDEYCSP SRGAAGVGGV QICLACRKRR KRCMRHAMCC PGNYCKNGIC MPSDHSFPR GEIEESIIEN LGNDHNAAAG DGYPRRTTLT SKIYHTKGQE GSVCLRSSDC AAGLCCARHF WSKICKPVLK EGQVCTKHKR KGSHGLEIFQ RCYCGEGLAC RIQKDHHQAS NSSRLHTCQRHHHHHHH		
Formulation	The DKK1 solution (0.25mg/ml) contains 50mM MES buffer (pH 6.5) and 30% glycerol.		

**Introduction**

Dickkopf-related protein 1 (DKK1) antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by creating a ternary complex with the transmembrane protein KREMEN which promotes internalization of LRP5/6. DKKs have a significant role in vertebrate development, where they locally inhibit Wnt controlled processes for instance antero-posterior axial patterning, limb development, somitogenesis and eye formation. Furthermore, Dkks are involved in bone formation and bone disease, cancer and Alzheimer disease in Adults.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

DKK1 Mouse Recombinant produced in HEK293 cells is a single, glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chain (32-272a.a) containing 247 amino acids and having a molecular mass of 26.9kDa. DKK1 is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

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