


## Human DKK-1 Protein

Cat #: PRP1079

Size: 10 µg/50 µg/500 µg/1 mg

### Product Information

	<b>Product Name:</b> Human DKK-1 Protein		
<b>REF</b>	<b>Catalog Number:</b> PRP1079	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Human DKK-1 (Dickkopf related protein 1) is a secreted antagonist of Wnt/beta-Catenin signaling. It interacts with LRP-6, and internalized complexes of DKK-1/LRP-6/Kremen 2 can downregulate Wnt signaling. The balance between Wnt signaling and Human DKK-1 inhibition is critical for bone formation and homeostasis. In addition, Human DKK-1 can act as either a tumor suppressor or promoter of metastasis.

**Sequence:** Amino acid sequence derived from Human DKK-1 (Thr32-His266) (O94907) was expressed.

**Protein length:** The recombinant Human DKK-1 consists of 235 amino acids and predicts a molecular mass of 25.8 kDa.

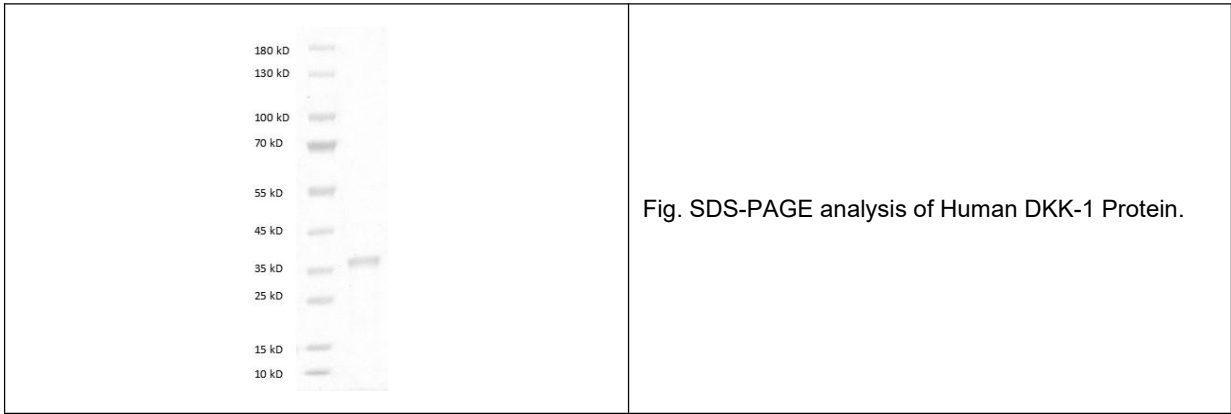
**Biological Activity:** Testing in Progress.

**Endotoxin:** <1 EU per µg of the protein by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH7.4.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.



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