DKK4 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	DKK4, Blocking Peptide
Full Product Name	DKK4 Immunizing Peptide
Product Gene Name	DKK4 blocking peptide
Product Synonym Names	DKK4; dickkopf homolog 4 (Xenopus laevis); DKK-4; hdkk-4; Dickkopf gene 4; dickkopf (Xenopus laevis) homolog 4; MGC129562; MGC129563; dickkopf homolog 4
Sequence	RQHARLRVCQ KIEKL
Species Reactivity	Human, Mouse, Rat, Dog, Pig
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	DKK4 peptide (MBS425774) is used for blocking the activity of DKK4 antibody (MBS421072)
Molecular Weight	24,876 Da
OMIM	605417
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for DKK4 blocking peptide	MBS425774 is a blocking peptide targeting DKK4. Also known as DKK4 Immunizing Peptide. Reactive in Human, Mouse, Rat, Dog, Pig.
Other Notes	Small volumes of DKK4 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DKK4. It may not necessarily be applicable to this product.

NCBI GI #	7657025
NCBI GeneID	27121
NCBI Accession #	NP_055235.1
UniProt Secondary Accession #	Q3KNX0; Q9Y4C3
UniProt Related Accession #	Q9UBT3
GenBank Nucleotide #	NM_014420.2
NCBI Official Full Name	dickkopf-related protein 4
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 4
NCBI Official Symbol	DKK4
NCBI Official Synonym Symbols	DKK-4
UniProt Protein Name	Dickkopf-related protein 4
Protein Family	Dickkopf-related protein
UniProt Gene Name	DKK4

UniProt Synonym Gene Names	Dickkopf-4; Dkk-4; hDkk-4
UniProt Entry Name	DKK4_HUMAN
NCBI Protein Information	dickkopf-related protein 4
NCBI Summary for DKK4	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008]
UniProt Comments for DKK4	DKK4: Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero- posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease. Belongs to the dickkopf family. Protein type: Secreted; Inhibitor; Secreted, signal peptide Chromosomal Location of Human Ortholog: 8p11.2-p11.1 Cellular Component: extracellular region Biological Process: multicellular organismal development; negative regulation of Wnt receptor signaling pathway; Wnt receptor signaling pathway
Research Articles on DKK4	**1.** The recurrence of benign tumors of mammary gland occurred predominantly in women-carriers of mutant alleles with polymorphism rs8190924 of gene GSR and AA rs3763511of gene DKK4.
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