

Product datasheet

Recombinant Human Dkk3 (mutated R335G) protein
ab155717

1 Image

Description

Product name	Recombinant Human Dkk3 (mutated R335G) protein	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	HEK 293 cells	
Accession	Q9UBP4	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	APAPTATSAPVKPGPALSYPQEEATLNEMFREVEELMED TQHKLRSAVEE MEAEAAAASSEVNLANLPPSYHNETNTDTKVGNNTIHV HREIHKITNN QTGQMFSETVITSVGDEEGRRSHECIIDEDCGPSMYCQF ASFQYTCQPC RGQRMLCTRDSECCGDQLCVWGHCTKMATRGSNGTICD NQRDCQPGLCCA FQRGLLFPVCTPLPVEGELCHDPASRLLDLITWELEPDGA LDRPCASGL LCQPHSHSLVWCKPTFVGSRDQDGEILLPREVPDEYEV GSFMEEVRQEL EDLERSLTEEMALGEPAAAAAALLGEEI	
Predicted molecular weight	37 kDa including tags	
Molecular weight information	The protein migrates as 45-65 kDa under reducing.	
Amino acids	22 to 350	
Modifications	mutated R335G	
Tags	His tag C-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab155717** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized
Additional notes	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

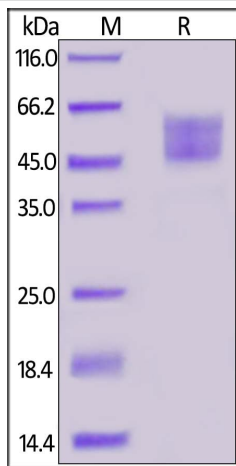
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 95% PBS, 5% Trehalose
Reconstitution	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

Function	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.
Tissue specificity	Highest expression in heart, brain, and spinal cord.
Sequence similarities	Belongs to the dickkopf family.
Domain	The C-terminal cysteine-rich domain mediates interaction with LRP5 and LRP6.
Post-translational modifications	N- and O-glycosylated.
Cellular localization	Secreted.

Images



SDS-PAGE - Recombinant Human Dkk3 (mutated R335G) protein (ab155717)

SDS-PAGE of reduced ab155717 stained overnight with Coomassie Blue. The protein migrates as 60-70 kDa due to glycosylation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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