

## Product datasheet

# Recombinant Human Dkk3 (mutated R335G) protein ab155717

[1 Image](#)

### Description

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

### Specifications

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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.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	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.

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## Preparation and Storage

<b>Stability and Storage</b>	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
<b>Reconstitution</b>	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

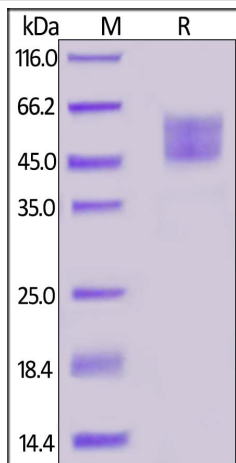
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## General Info

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

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## Images



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

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

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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