Recombinant human DKK2 protein

Catalog Number: ATGP1700

PRODUCT INFORMATION

Expression system
E.coli

Domain
34-259aa

UniProt No.
Q9UBU2

NCBI Accession No.
NP_055236

Alternative Names
Dickkopf-related protein 2, DKK-2

PRODUCT SPECIFICATION

Molecular Weight
27.6 kDa (250aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Dickkopf-related protein 2, also known as DKK2, belongs to the dickkopf family. DKK2 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. Recombinant human DKK2 protein, fused to His-tag at N-terminus, was expressed in E.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

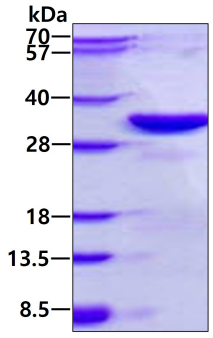
<MGSSHHHHHH SSGLVPRGSH MGSM>KLNSIK SSLGGETPGQ AANRSAGMYQ GLAFGGSKKG KNLGQAYPCS SDKECEVGRY CHSPHQGSSA CMVCRRKKKR CHRDGMCCPS TRCNNGICIP VTESILTPHI PALDGTRHRD RNHGHYSNHD LGWQNLGRPH TKMSHIKGHE GDPCLRSSDC IEGFCCARHF WTKICKPVLH QGEVCTKQRK KGSHGLEIFQ RCDCAKGLSC KVWKDATYSS KARLHVCQKI

General References

Krupnik V.E., et al. (1999) Gene. 238:301-313
Clark H.F., et al. (2003) Genome Res. 13:2265-2270

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.