For Research Use Only

Recombinant Mouse DKK1 protein (rFc Tag)

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Catalog Number: Eg4649

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse DKK1 protein Thr32-His272 (Accession# O54908) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
13380

Accession:
O54908

Predicted Molecular Mass:
53.3 kDa

SDS-PAGE:
60-70 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

DKK1, also named a SK and Dickkopf-1, belongs to the dickkopf family. 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.

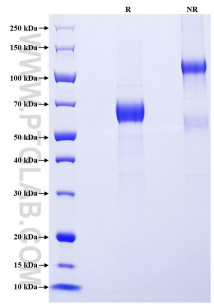
References

1.Glinka A.et al.(1998) Nature.391:357-362.
2.Krupnik VE.et al.(1999) Gene.238:301-313.
3.Fedi P.et al.(1999) J Biol Chem.274:19465-19472.
4.Li J.et al.(2018) J Nanosci Nanotechnol.18(8):5192-5206.
5.Mao B.et al.(2001) Nature.411(6835):321-325.
6.Bafico A.et al.(2001) Nat Cell Biol.3(7):683-686.

Synonyms

DKK 1, hDkk 1, HDkk-1, mdkk 1, mdkk1

Selected Validation Data



Purity of Recombinant Mouse DKK1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.