

SB431542 (Qk1103)



Type: Small molecules

Available for purchase: unit size (mg): 5, 10

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Product Information

SB-431542 is an inhibitor of ALK5/TGF- β type I Receptor (IC₅₀=94 nM) and is selective. SB 431542 also has inhibitory activity against ALK4 and ALK7 but not other proteins. SB 431542 can be used for induced differentiation of stem cells.

Alternative protein names

SB 431542

Product Size Wording

Sourced from a trusted supplier and order fulfilled by Qkine

Molecular weight

Molecular Weight: 384.4

Protein Uniprot number

Cas No. 301836-41-9

Product Information

- Storage: powder -20°C for 1 year, in solvent -80°C for 1 year
- Solubility EtOH 3.85 mg/ml, DMSO 48.5 mg/ml

Featured applications

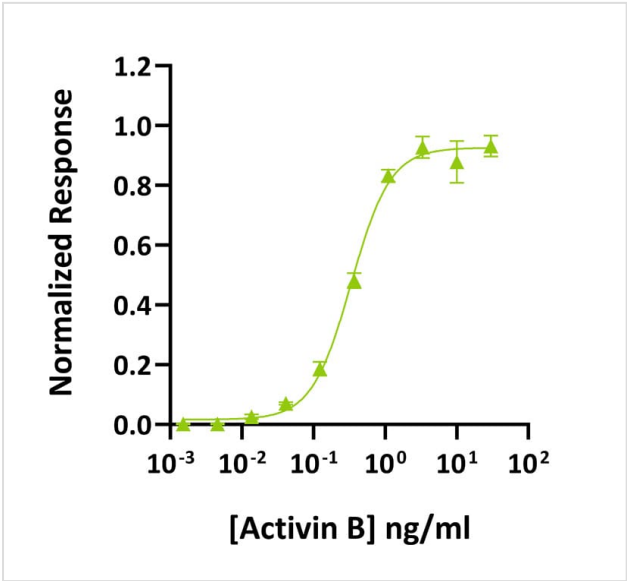
- Differentiation of iPSC into ectoderm
- Neural differentiation from pluripotent stem cells
- Differentiation of induced pluripotent stem cells to astrocytes
- Differentiation of midbrain dopaminergic neurons

Further quality assays

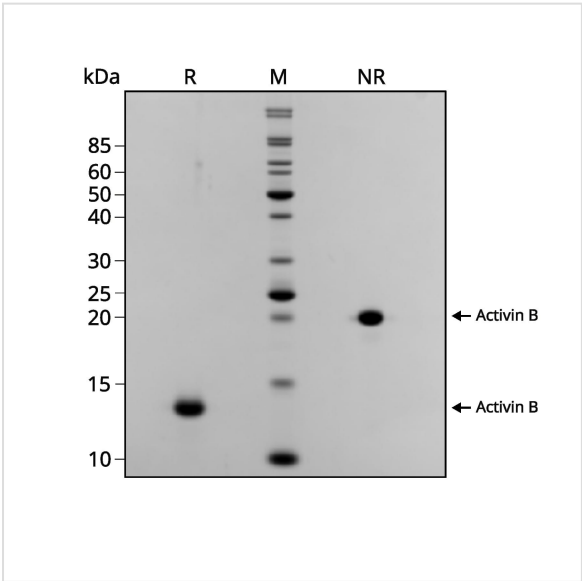
- >99% purity
- HPLC/HNMR: Consistent with structure

Scientific Information

Bioactivity



Purity



Original product page: <https://qkine.com/product/sb431542-qk1103/>

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