Datasheet for ABIN4948748

WNT3A Protein (AA 19-352)

Go to Product page

Overview

Quantity:	2 µg
Target:	WNT3A
Protein Characteristics:	AA 19-352
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Specificity:	Stem cell or organoid culture
Purification:	This protein was purified using a combination of ion exchange, affinity column with Wnt signaling inhibitor-bound sepharose beads, and followed by gel filtration.
Purity:	70-75 %
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg)
Biological Activity Comment:	Wnt3a activity has been measured using TCF-based Wnt reporter stable cell line. 10 ng/mL of Wnt3a (Lot: 02DEC2015) generate 100- fold increase of luciferase activity compared to control (buffer without Wnt3a). EC50 is about 6 ng/mL.

Target Details

Target:	WNT3A

Target Details

Alternative Name:	Wnt3a (WNT3A Products)
Background:	Protein Wnt-3a is a protein that is encoded by the WNT3A gene. The WNT gene family consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis, adipogenesis, etc. and in several other developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene
Molecular Weight:	41 kDa evaluated by SDS-PAGE under reducing conditions
Gene ID:	22416
NCBI Accession:	NC_000077
UniProt:	P27467
Pathways:	WNT Signaling, Regulation of Muscle Cell Differentiation, Regulation of Cell Size, Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	30-60 ng/mL To treat cell lines, dilute the protein solution at least 200 times in medium, to treat stem cells, dilute the protein solution at least 500 times in medium. Diluted Wnt proteins in medium or phosphate buffer can be stored at 4 °C for few days only
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Phosphate buffer pH 7.4-7.6, 1 % CHAPS, 0.1 % BSA
Handling Advice:	Mix the protein by pipetting up and down but not by vortexing
Storage:	-20 °C
Storage Comment:	Keep the protein frozen until use. Refreeze aliquots at -20C or below but avoid freeze-thaw circles.