

# Recombinant human Wnt-3a protein

Catalog Number: ATGP2939

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

19-352aa

### UniProt No.

P56704

### NCBI Accession No.

NP\_149122.1

### Alternative Names

Wnt3a, Wingless-type MMTV integration site family, member 3A

## PRODUCT SPECIFICATION

---

### Molecular Weight

37.5 kDa (335aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

Non-Tagged

### 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

The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. WNT3a is a member of the WNT gene family. It encodes a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This protein is clustered with WNT14 gene, another family member, in chromosome 1q42 region. Recombinant human WNT3a protein was expressed in E. coli.

# Recombinant human Wnt-3a protein

Catalog Number: ATGP2939

## Amino acid Sequence

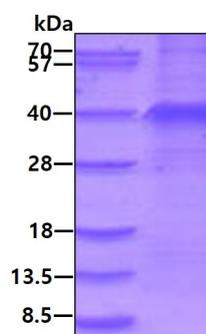
MSYPIWWSLA VGPQYSSLGS QPILCASIPG LVPKQLRFCR NYVEIMPSVA EGIKIGIQEC QHQFRGRRWN CTTVHDSLAI  
FGPVLDKATR ESAFVHAIAS AGVAFVTRTS CAEGTAAICG CSSRHQGSPPG KGWKWGGCSE DIEFGGMVSR EFADARENRP  
DARSAMNRHN NEAGRQAIAS HMHLKCKCHG LSGSCEVKTC WWSQPDFRAI GDFLKDKYDS ASEMVVEKHR  
ESRGWVETLR PRYTYFKVPT ERDLVYYEAS PNFCEPNPET GSFGTRDRTC NVSSHGIDGC DLLCCGRGHN ARAERRREKC  
RCVFWCCYV SCQECTRVYD VHTCK

## General References

Baenziger C., et al. (2006). Cell 125:509-522  
Bourhis E., et al. (2010). J. Biol. Chem. 285:9172-9179

## DATA

### SDS-PAGE



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