

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.

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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 ASEMVEKHR
ESRGWVETLR PRYTYFKVPT ERDLVYYEAS PNFCEPNPET GSFGTRDRTC NVSSHGIDGC DLLCCGRGHN ARAERRREKC
RCVFHWCCYV SCQECTRVYD VHTCK

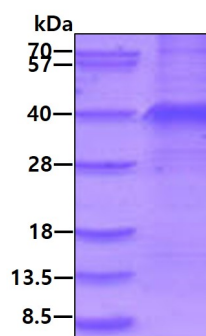
General References

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.