

AR51759PU-S**Human WNT3A (19-352) - Purified****Alternate names:**

Protein Wnt-3a

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P56704](#)**NCBI:**[NP_149122.1](#)**GeneID:**[89780](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.**Description:**

Recombinant human WNT3a protein was expressed in E.coli.

AA Sequence:

MSYPIWWSLA VGPQYSSLGS QPILCASIPG LVPKQLRFCR NYVEIMPSVA EGKIGIQEC
QHQFRGRRWN CTTVHDSLAI FGPVLDKATR ESAFVHAIAS AGVAFVTRTS CAEGTAAICG
CSSRHQGSFG KGWKGGCSE DIEFGMVSR EFADARENRP DARSAMNRHN NEAGRQAIAS
HMHKCKCHG LSGSCEVKTC WWSQPDFRAI GDFLKDKYDS ASEMVVEKHR ESRGWVETLR
PRYTYFKVPT ERDLVYYEAS PNFCEPNPET GSFGTRDRTC NVSSHGIDGC DLLCCGRGHN
ARAERRREKC RCVFWCCYV SCQECTRVYD VHTCK

Molecular weight: 37.5 kDa (335aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

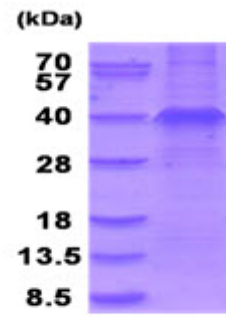
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:



15% SDS-PAGE (3ug)