

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info-de@origene.com

## 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:	<u>P56704</u>	
NCBI:	<u>NP_149122.1</u>	
GenelD:	<u>89780</u>	
Species:	Human	
Source:	E. coli	
Format:	<b>State:</b> Liquid purified protein <b>Purity:</b> >85% by SDS - PAGE <b>Buffer System:</b> 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 EGIKIGIQEC QHQFRGRRWN CTTVHDSLAI FGPVLDKATR ESAFVHAIAS AGVAFAVTRS CAEGTAAICG CSSRHQGSPG KGWKWGGCSE DIEFGGMVSR EFADARENRP DARSAMNRHN NEAGRQAIAS HMHLKCKCHG LSGSCEVKTC WWSQPDFRAI GDFLKDKYDS ASEMVVEKHR ESRGWVETLR PRYTYFKVPT ERDLVYYEAS PNFCEPNPET GSFGTRDRTC NVSSHGIDGC DLLCCGRGHN ARAERREKC RCVFHWCCYV SCQECTRVYD VHTCK <b>Molecular weight: 37.5 kDa (335aa)</b>	
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	

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. **Pictures:** 

(kDa)		
70 57	-	
40		
28	-	
18	-	
13.5	-	
8.5	-	

15% SDS-PAGE (3ug)

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