
Product Data Sheet

Product Name: WNT3A Human
 Cat. No.: GP21064
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protein Wnt-3a; MGC119418; MGC119419; MGC119420; WNT3A; wingless-type MMTV integration site family member 3A.		
Amino Acid 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 GSGFTRDRTC NVSSHGIDGC DLLCCGRGHN ARAERRREKC RCVFHWCCYV SCQECTRVYD VHTCK.		
Formulation	The WNT3A Human protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

The WNT gene family consists of structurally related genes that encode secreted signaling proteins. These proteins are 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. WNT3A is a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. The WNT3A gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

WNT3A Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 335 amino acids (19-352 a.a.) and having a molecular mass of 37.5kDa. The WNT3A Human is purified by proprietary chromatographic techniques.

WNT3A 335 19-352a.a. 37.5kDa WNT3A

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