
Product Data Sheet

Product Name: WNT7A Human
 Cat. No.: GP21065
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Wingless-Type MMTV Integration Site Family; Member 7A; Proto-Oncogene Wnt7a Protein; Protein Wnt-7a.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSLGASIIC NKIPGLAPRQ RAICQSRPDA IIVIGEGSQM GLDECQFQFR NGRWNCALG ERTVFGKELK VGSREAAFTY AIIAAGVAHA ITAACTQGNL SDCGCDKEKQ GQYHRDEGWK WGGCSADIRY GIGFAKVFVD AREIKQNART LMNLHNNEAG RKILEENMKL ECKCHGVSGS CTTKTCWTTL PQFRELGYVL KDKYNEAVHV EPVRASRNKR PTFCLKIKKPL SYRKPMDDL VYIEKSPNYC EEDPVTGSVG TQGRACNKTA PQASGCDLMC CGRGYNTHQY ARVWQCCKF HWCCYVKCNT CSERTEMYTC K.		
Formulation	WNT7A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.		

Introduction

Wingless-Type MMTV Integration Site Family, Member 7A also known as WNT7A belongs to the WNT gene family, this 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. WNT7A is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays an essential role in uterine smooth muscle patterning and maintenance of adult uterine function. In addition, Mutations in WNT7A have been associated with Fuhrmann and Al-Awadi Raas-Rothschild Schinzel phocomelia syndromes.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Background

WNT7A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 341 amino acids (32-349 a.a) and having a molecular mass of 38kDa. WNT7A is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA