

WNT7A, 32-349aa, Human, His tag, E.coli

Cat.NO.: TP04503

3th Edition

Synonyms:Protein Wnt-7a precursor, Wingless-type MMTV integration site family, member7A

Description:WNT7A is a member of the WNT gene family, which consists of structurally related genes that 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. This gene is involved in the development of the anterior-posterior axis in the female reproductive tract, and also plays a critical role in uterine smooth muscle patterning and maintenance of adult uterine function. Mutations in this gene are associated with Fuhrmann and Al-Awadi/Raas-Rothschild/Schinzel phocomelia syndromes. Recombinant human WNT7A protein, fused to His-tag at N-terminus, was expressed in E.coli .

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Molecular Weight:38.0 kDa (341aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSLGASIICNKIPGLAPRQRAICQSRPDAIIVIGEGSQMGLDECQFQFRNGRWN
CSALGERTVFGKELKVGSRFAAFTYAIIAAGVAHAITA ACTQGNLSDCGCDKEKQGQYHRDEGWKWGGCSADIRY
GIGFAKVVDAREIKQNARTLMNLHNNEAGRKILEENMKLECKCHGVSGSCTTKTCWTTLPQFRELGYVLKDKYNE
AVHVEPVRRASRNKRPTFLKIKKPLSYRKPMDDLVIYIEKSPNYCEEDPVTGSGVTQGRACNKTAPQASGCDLMCC
GRGYNTHQYARVWQCNCCKFWCCYVKCNTCSERTEMYTCK

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.