

32-1852: WNT7A Recombinant Protein

Alternative Name : Wingless-Type MMTV Integration Site Family, Member 7A, Proto-Oncogene Wnt7a Protein, Protein Wnt-7a.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 20 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : WNT7A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSLGASIIC NKIPGLAPRQ RAICQSRPDA IIVIGEGSQM GLDECQFQFR
NGRWNCSALG ERTVFGKELK VGSREAAFTY AIIAAGVAHA ITAACTQGNL SDCGCDKEKQ
GQYHRDEGWK WGGCSADIRY GIGFAKVVD AREIKQNART LMNLHNNEAG RKILEENMKL
ECKCHGVSGS CTTKTCWTTL PQFRELGYVL KDKYNEAVHV EPVRASRNKR PTFLEKIKPL SYRKPMDDL
VYIEKSPNYC EEDPVTGSVG TQGRACNKTA PQASGCDLMC CGRGYNTHQY ARVWQCNCCKF
HWCCYVKCNT CSERTEMYTC K.