

WNT3a, 19-352 aa, Human, E.coli

Cat.NO.: TP04502

3th Edition

Synonyms:Protein Wnt-3a, wnt-3a

Description: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. Recombinant human WNT3a protein was expressed in E.coli.

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

Molecular Weight:37.5 kDa (335aa)

Sequences:

MSYPIWWSLAVGPQYSSLGSQLCASIPGLVPKQLRFCRNYVEIMPSVAEGIKIGIQECQHQRGRRWNCCTTVHD
SLAIFGPVLDKATRESAFVHAIASAGVAVTRSCAEGTAAICGCSSRHQGGSPGKGWKGWGGCSEDIEFGGMVSRE
FADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCHGLSGSCEVKTWCWWSQPDFRAIGDFLKDKYDSASEM
VVEKHRESRGWVETLRPRYTYFKVPTERDLVYYEASPNFCEPNPETGSFGTRDRTCNVSSHGIDGCDLLCCGRGH
NARAERRREKCRCVFHWCCYVSCQECTRVYDVHTCK

Purity:> 95% by HPLC

Concentration:0.5mg/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.