

WLS, 101-232aa, Human, His tag, E.coli

Cat.NO.: TP04500

3th Edition

Synonyms:Protein wntless homolog isoform 1 precursor, C1orf139, EVI, GPR177, MRP

Description:WLS, a Wnt trafficking regulator, is a multipass transmembrane protein that regulates the sorting and secretion of Wnt protein. It is required for organogenesis during embryogenesis and for the establishment of the anterior-posterior axis. WLS promotes various cancers such as glioma tumourigenesis. The gene encoding WLS maps to human chromosome 1 and is expressed as multiple alternatively spliced isoforms. Recombinant human WLS protein, fused to His-tag at N-terminus, was expressed in E.coli.

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

Molecular Weight:17.8 kDa (155aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMEMSPWFQFMLFILQLDIAFKLNNQIRENAEVSM DVSLAYRDDAF AEWTEM
AHERVPRK LKCTFTSPKTPEHEGRYYECDVLPFMEIGSV AHKFYLLNIRLPVNEKKKINVGIGEIKDIRLVGIHQNGGF
TK

Purity:> 95% by HPLC

Concentration:1 mg/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.