

## WLS Human

**Description:**WLS Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids (101-232a.a) and having a molecular mass of 7.8kDa. WLS is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1409

For research use only.

**Synonyms:**C1orf139, EVI, GPR177, MRP, Protein wntless homolog, Integral membrane protein GPR177, Protein evenness interrupted homolog, Putative NF-kappa-B-activating protein 373, WLS.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMEMSPWF QFMLFILQLD  
IAFKLNNQIR ENAEVSM DVSLAYRDDAF AEWTEMAHERVP RKLKCTFTSP KTPEHEGRYY  
ECDVLPFMEI GSAHKFYLL NIRLPVNEKK KINVGIGEIK DIRLVGIHQN GGFTK.

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

WLS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0),0.4M Urea and 10% glycerol.

**Stability:**

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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

WLS (Wnt trafficking regulator) is a multipass transmembrane protein which regulates the sorting and secretion of Wnt protein. WLS is necessitated for organogenesis during embryogenesis and for the establishment of the anterior-posterior axis. WLS is encoded by a gene which maps to human chromosome 1 and is expressed as multiple alternatively spliced isoforms. WLS promotes various cancers such as glioma tumourigenesis.

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