

Recombinant Human WLS, His-tagged

Cat. No. WLS-7571H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human WLS protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	101-232aa
Antigen 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	17.8 kDa (155aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEMSPWF QFMLFILQLD IAFKLNNQIR ENAEVSM DVS LAYRDDAF AE WTEMAHERVP RKLKCTFTSP KTPEHEGRYY ECDVLPFMEI GSVAHKFYLL NIRLPVNEKK KINVGIGEIK DIRLVGIHQN GGFTK
Purity	>90% as determined by SDS - PAGE

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Applications	SDS-PAGE
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.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	WLS <i>wntless</i> homolog (Drosophila) [Homo sapiens]
Official Symbol	WLS
Synonyms	WLS; EVI; MRP; GPR177; C1orf139; protein <i>wntless</i> homolog; G protein-coupled receptor 177; integral membrane protein GPR177; protein <i>evenness</i> interrupted homolog; putative NFkB activating protein 373; putative NF-kappa-B-activating protein 373; <i>wntless</i> homolog (Drosophila)
Gene ID	79971
mRNA Refseq	NM_001002292
Protein Refseq	NP_001002292
MIM	611514
UniProt ID	Q5T9L3
Chromosome Location	1p31.3
Function	Wnt-protein binding; protein binding; signal transducer activity

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