

## Recombinant Human WLS, His-tagged

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

### SPECIFICATION

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

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<b>Applications</b>	SDS-PAGE
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/ml
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	WLS <i>wntless</i> homolog ( <i>Drosophila</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	WLS
<b>Synonyms</b>	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 NFκB activating protein 373; putative NF-kappa-B-activating protein 373; <i>wntless</i> homolog ( <i>Drosophila</i> )
<b>Gene ID</b>	79971
<b>mRNA Refseq</b>	NM_001002292
<b>Protein Refseq</b>	NP_001002292
<b>MIM</b>	611514
<b>UniProt ID</b>	Q5T9L3
<b>Chromosome Location</b>	1p31.3
<b>Function</b>	Wnt-protein binding; protein binding; signal transducer activity

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