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## Product Data Sheet

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Product Name: WLS Human  
 Cat. No.: GP25017  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C1orf139; EVI; GPR177; MRP; Protein wntless homolog; Integral membrane protein GPR177; Protein evenness interrupted homolog; Putative NF-kappa-B-activating protein 373; WLS.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEMSPWF QFMLFILQLD IAFKLNNQIR ENAEVSM DVS LAYRDDAF AE WTEMAHERVP RKLKCTFTSP KTPEHEGRYY ECDVLPFMEI GSAHKFYLL NIRLPVNEKK KINVGIGEIK DIRLVGIHQN GGFTK.		
Formulation	WLS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### 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.

### 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.

### Background

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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17.8kDa. WLS is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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