# Recombinant human GPR177/WLS protein
## Catalog Number: ATGP2015

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
101-232aa

**UniProt No.**
Q5T9L3

**NCBI Accession No.**
NP_079187

**Alternative Names**
Protein wntless homolog isoform 1 precursor, C1orf139, EVI, GPR177, MRP

## PRODUCT SPECIFICATION

**Molecular Weight**
17.8 kDa (155aa)

**Concentration**
1mg/ml (determined by Bradford assay)

**Formulation**
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

**Purity**
> 90% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE, Denatured

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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.

**NKMAX**

# Recombinant human GPR177/WLS protein
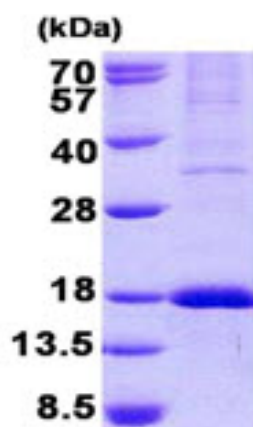## Catalog Number: ATGP2015

**Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MGSMEMSPWF QFMLFILQLD IAFKLNNQIR ENAEVSMDVS LAYRDDAFAE WTEMAHERVP RKLKCTFTSP KTPEHEGRYY ECDVLPFMEI GSVAHKFYLL NIRLPVNEKK KINVGIGEIK DIRLVGIHQN GGFTK

**General References**

Ji T H., et al. (1998) J Biol Chem. 273:17299-17302.

## DATA

**SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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