

**rP83549Mu01 100µg**

**Wingless Type MMTV Integration Site Family, Member 5A (WNT5A)**

**Organism: *Mus musculus* (Mouse)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

7th Edition (Revised in May, 2013)

## [ **PROPERTIES** ]

**Residues:** Ile62~Lys381 (Accession # P22725),  
with two N-terminal Tags, His-tag and GST-tag.

**Host:** *E. coli*

**Subcellular Location:** Secreted, extracellular  
space, extracellular matrix.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg  
(determined by the LAL method).

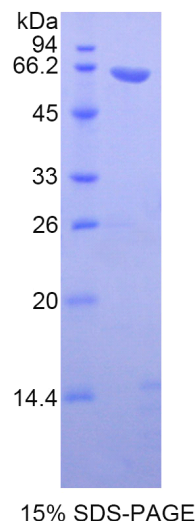
**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Predicted isoelectric point:** 8.5

**Predicted Molecular Mass:** 62.8kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



## [ **USAGE** ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

## [ STORAGE AND STABILITY ]

### **Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

MRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL  
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD  
VVLYMDPMCL DAFPKLVCVK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD  
GSTSGSGHHH HHSAGLVPR GSTAIGMKET AAACFERQHM DSPDLGTLEV LFG  
GPLGSEF- IIGAQPLCS QLAGLSQGQK KLCHLYQDHM QYIGEGAKTG IKECQYQFRH  
RRWNCSTVDN TSVFGRVMQI GSRETAFTYA VSAAGVNVAM SRACREGELS  
TCGCSRAARP KDLPRDWLWG GCGDNIDYGY RFAKEFVDAR ERERIHAKGS YESARILMNL  
HNNEAGRRTV YNLADVACKC HGVSGSCKSLK TCWLQLADFR KVGDALKEKY  
DSAAAMRLNS RGKLVQVNSR FNSPTTQDLV YIDPSPDYCV RNESTGSLGT QGRLCNKTSE  
GMDGCELMCC GRGYDQFKTV QTERCHCKFH WCCYVKCKKC TEIVDQFVCK

## [ REFERENCES ]

1. Yu H., *et al.* (2012) *Development* 139:4383-4394
2. Goh K.Y., *et al.* (2012) *Proc. Natl. Acad. Sci. U.S.A.* 109:15853-15858
3. Miyoshi H., *et al.* (2012) *Science* 338:108-113
4. Sinha T., *et al.* (2012) *Dev. Biol.* 370:135-144