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**YBL926Hu01 100µg**

**Recombinant Semaphorin 5B (SEMA5B)**

**Organism Species: Homo sapiens (Human)**

*Instruction  
manual*

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May,  
2016)

## [ PROPERTIES ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Leu36~Glu161

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Brain, Ovary, Lung.

**Subcellular Location:** Membrane; Single-pass type III membrane protein.

**Purity:** >95%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 1mM DTT, 5% trehalose,  
0.01% sarcosyl and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays;

Purification; Amine Reactive Labeling.

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



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**Predicted isoelectric point:**

**6.0 Predicted Molecular Mass:**

14.9kDa

**Accurate Molecular Mass:** 14kDa as determined by SDS-PAGE reducing conditions.

### [ USAGE ]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### [ 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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

### [ SEQUENCE ]

LLSLV RGLLPCLPPG  
ARTAEGPIMV LAGPLAVSLL LPSLTLLVSH LSSSQDVSSE PSSEQQLCAL  
SKHPTVAFED LQPWVSNFTY PGARDFSQLA LDPSGNQLIV GARNYLFRLS  
LANVSLLQAT E

[ IDENTIFICATION ]

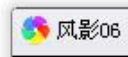
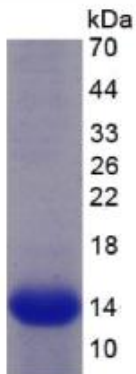


Figure 1. SDS-PAGE