



## Recombinant Toll Like Receptor 7 (TLR7)

Catalog No.: TP09038 50µg

### Sequence Information

**Species:** Mouse

**Gene ID:**170743

**Swiss Prot:**P21729

**Synonyms:**CD287

**Residues:**Ser890~Asp1037

SCYDAFIVYDTKNSAVTEWVLQELVAKLEDPREKHFNLCEERDWLPGQPVLENLSQSIQLSKKTVFVMTQKYAKTESF  
KMAFYLSHQRLLEKVDVIIILIFLEKPLQKSKFLQLRKRLCRSSVLEWPNPQAHPYFWQCLKNALTTD

### Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted, Exosome.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS pH7.2, 0.01% sarcosyl, 5%Trehalose .

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

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

**Predicted isoelectric point:** 8.7

**Predicted Molecular Mass:** 21.3kDa

**Accurate Molecular Mass:** 21kDa as determined by SDS-PAGE reducing conditions.

### **[ USAGE ]**

Reconstitute in PBS pH7.2 or ddH<sub>2</sub>O to a concentration of 0.1-0.5 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.

