

#### Recombinant Immunoglobulin M (IgM)

Catalog No.: TP11073 100µg

**Sequence Information** 

Species: Human Gene ID:

Swiss Prot:P0DOX6 Synonyms:IGHM; Immunoglobulin Heavy

Constant Mu; Ig mu chain C region

Residues: Gly1-Tyr453

QVTLTESGPALVKPKQPLTLTCTFSGFSLSTSRMRVSWIRRPPGKALEWLARID

DDDKFYWSTSLRTRLSISKNDSKNQVVLIMINVNPVDTATYYCARVVNSVMAGY

YYYYMDVWGKGTTVTVSSGSASAPTLFPLVSCENSNPSSTVAVGCLAQDFLPDS

ITFSWKYNQSQKISSTRGFPSVLRGGKYAATSQVLLPSKDVMQGTDEHVCKWVQ

HPNGNKQKNVPLPVIAELPPKVSVFVPPRDGFFGNPRKSKLICQATGFSPRQVW

SLREGKQVGSGVTTDQVQAEAKESGPTTYKVTSTLTIKESDWLGESMFTCRVDH

RGLTFOONASSMCVPDODTAIRVFAIPPSFASIFLTKSTKLTCLVTDLTTYDSV

TISWTREENGAVKTHTNISESHPNATFSAVGEASICEDDDWSGERFTCTVTHTD

LPSPLKQTISRPKGVALHRPDVYLLPPAREQLNLRESATITCLVTGFSPADVFV

QWMQRGEPLSPEKYVTSAPMPEPQAPGRYFAHSILTVSEEEWNTGQTYTCVVAH

EALPNRVTERTVDKSTGKPTLYNVSLVMSDTAGTCY

**Product Information** 

Source: Recombinant expression.

Host: E.coli

Tags: N-terminal His-Tag

Subcellular Location: Membrane, Secreted.

**Purity: >90%** 

**Traits:** Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and

Proclin300.

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: 6.8

Predicted Molecular Mass: 53.1kDa

Accurate Molecular Mass: 59kDa as determined by SDS-PAGE reducing conditions.



# [USAGE]

Reconstitute in 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.

#### [ IDENTIFICATION ]

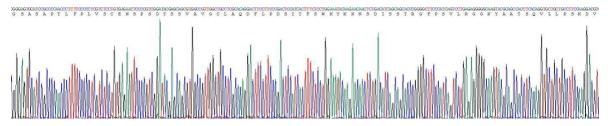


Figure 1. Gene Sequencing (Extract)

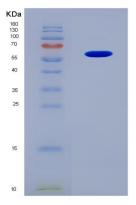


Figure 2. SDS-PAGE

### [IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.

