Recombinant Mouse Interleukin 1 Alpha (IL1a)

Catalog No.: OM770249 **50μg**

Sequence Information

Species: mouse

Gene ID:16175

Swiss Prot:P01582

Synonyms: Interleukin-1 alpha precursor, Il-1a, IL-1 alpha, Il-1a, Interleukin 1 alpha

Residues: Ala116-Ser270

APYTYQSDLRYKLMKLVRQKFVMNDSLNQTIYQDVDKHYLSTTWLNDLQQ
EVKFDMYAYSSGGDDSKYPVTLKISDSQLFVSAQGEDQPVLLKELPETPK
LITGSETDLIFFWKSINSKNYFTSAAYPELFIATKEQSRVHLARGLPSMT
DFQIS

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His Tag

Subcellular Location: Secreted, Cytoplasm

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:** 5.0

Predicted Molecular Mass: 23.3kDa

Accurate Molecular Mass: 23kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH_2O 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]

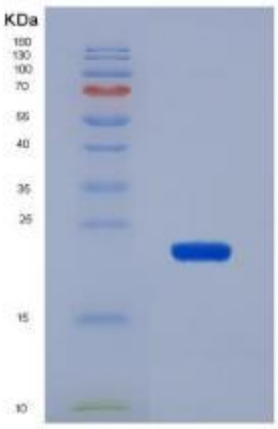


Figure 1. SDS-PAGE

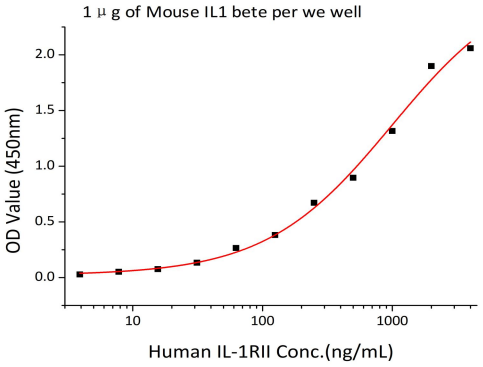


Figure2. Bioactivity-ELISA

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Mouse IL1 bete at 10μg/mL (100 μL/well) can bind Recombinant Human IL-1RII with a linear range of 0.03125-0.997ug/mL.

[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.