SunLong Biotech Co.,LTD
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Recombinant Interleukin 1 Receptor Type I (IL1R1)

Catalog Number: SIPA044Mu01 **Spec: 50ug**

Product Name	Recombinant Interleukin 1 Receptor Type I (IL1R1)
Catalog Number	SIPA044Mu01
Organism Species	Mouse
Source	Prokaryotic expression.
Host	E. coli
Residues	Leu20~Lys338
Tags	N-terminal His-Tag
Tissue Specificity	Brain, Lung, Heart.
Subcellular Location	Membrane; Single-pass type I membrane protein. Cell membrane Probable. Secreted.
Purity	>95%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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	6.4
Predicted Molecular Mass	41.1kDa
Accurate Molecular Mass	19&42kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8oC for one month.

Aliquot and store at -80oC 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 37oC 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]

L EIDVCTEYPN QIVLFLSVNE IDIRKCPLTP
NKMHGDTIIW YKNDSKTPIS ADRDSRIHQQ NEHLWFVPAK VEDSGYYYCI
VRNSTYCLKT KVTVTVLEND PGLCYSTQAT FPQRLHIAGD GSLVCPYVSY
FKDENNELPE VQWYKNCKPL LLDNVSFFGV KDKLLVRNVA EEHRGDYICR
MSYTFRGKQY PVTRVIQFIT IDENKRDRPV ILSPRNETIE ADPGSMIQLI
CNVTGQFSDL VYWKWNGSEI EWNDPFLAED YQFVEHPSTK RKYTLITTLN
ISEVKSQFYR YPFICVVKNT NIFESAHVQL IYPVPDFK

[IDENTIFICATION]

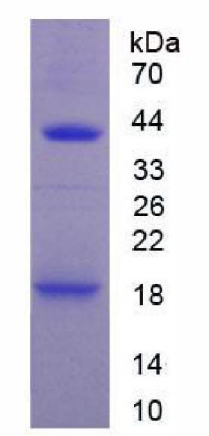

Figure 1. SDS-PAGE