SunLong Biotech Co.,LTD
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Interleukin 1 Alpha (IL1a)

Catalog Number: SIPA045Gu01 **Spec: 10ug**

Product Name	Interleukin 1 Alpha (IL1a)
Catalog Number	SIPA045Gu01
Organism Species	Guinea pig
Residues	Ser111~Glu204 (Accession # Q60480), with two N-terminal Tags, His-tag and S-tag.
Host	E. coli
Subcellular Location	Secreted .
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Predicted isoelectric point	7.9
Predicted Molecular Mass	16.5kDa
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

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[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and S-tag, its sequence is listed below.

MHHHHHHSSG LVPRGSGMKE TAAAKFERQH MDSPDLGTDD DDKAMADIGS EF- SVPYSFQSNL KFKYQRSIKK GAVITDAMHQ SLIRESNGQH LKAMHVVDRK HEVKFDIDGY VSTATRIRPV TLKISKTQLY VCAQEEGQPV LLKE

[REFERENCES]

1. Huynh-Ba G., et al. (2007) J. Clin. Periodontol. 34 (4): 305–17. 2. Schmidt DR., Kao WJ. (2007) Biomaterials 28 (3): 371–82. 3. Copeland KF. (2006) Mini reviews in medicinal chemistry 5 (12): 1093–101. 4. Arend WP. (2003) Cytokine Growth Factor Rev. 13 (4–5): 323–40.