SunLong Biotech Co.,LTD
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Recombinant Hypoxia Inducible Factor 1 Alpha (HIF1a)

Catalog Number: SIPA180Ga02 **Spec: 100ug**

Product Name	Recombinant Hypoxia Inducible Factor 1 Alpha (HIF1a)
Catalog Number	SIPA180Ga02
Organism Species	Chicken
Residues	Asp238~Lys389 (Accession # Q9YIB9), with N-terminal His-Tag.
Host	E. coli
Subcellular Location	Cytoplasm. Nucleus.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Predicted isoelectric point	9.3
Predicted Molecular Mass	18.9kDa
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)

[USAGE]

Reconstitute in ddH2O.

[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 N-terminal His-Tag, its sequence is listed below. MGHHHHHHSGS-DSK TFLSRHSLDM KFSYCDERIT ELMGYEPEEL LGRSIYEYYH ALDSDHLTKT HHDMFTKGQV TTGQYRMLAK QGGYVWVETQ ATVIYNTKNS QPQCIVCVNY VLSGIVQKDL IFSLGQTECM LKPVESPEMK MTKIFSKDDW DDTNSLFEK

[REFERENCES]

1. Takahashi T. (1998) Submitted to the EMBL/GenBank/DDBJ databases. 2. Ratcliffe PJ. (2003) Blood Purif. 20 (5): 445–50. 3. van Uden P., et al. (2008) Biochem J. 412 (3): 477–484. 4. Cho, S; et al. (2001) FEBS Lett. (Netherlands) 498 (1): 62–6.