SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Recombinant Apoptosis Inducing Factor (AIF)

Catalog Number: SIPB043Hu01 **Spec: 50ug**

Product Name	Recombinant Apoptosis Inducing Factor (AIF)
Catalog Number	SIPB043Hu01
Organism Species	Human
Residues	Gly103~Lys322
Tags	Two N-terminal Tags, His-tag and T7-tag
Accession	O95831
Host	E. coli
Subcellular Location	Mitochondrion intermembrane space. Mitochondrion inner membrane. Nucleus. Cytoplasm, perinuclear region.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Predicted isoelectric point	9.5
Predicted Molecular Mass	27.8kDa
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 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

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

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.

[SEQUENCES]

The sequence of the target protein is listed below. GLTPEQKQ KKAALSASEG EEVPQDKAPS HVPFLLIGGG TAAFAAARSI RARDPGARVL IVSEDPELPY MRPPLSKELW FSDDPNVTKT LRFKQWNGKE RSIYFQPPSF YVSAQDLPHI ENGGVAVLTG KKVVQLDVRD NMVKLNDGSQ ITYEKCLIAT GGTPRSLSAI DRAGAEVKSR TTLFRKIGDF RSLEKISREV KSITIIGGGF LGSELACALG RK

[REFERENCES]

1. Susin S.A., et al. (1999) Nature 397:441-446. 2. Delettre C., et al. (2006) J. Biol. Chem. 281:6413-6427. 3. Delettre C., et al. (2006) J. Biol. Chem. 281:18507-18518. 4. Otera H., et al. (2005) EMBO J. 24:1375-1386.