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Recombinant Heme Oxygenase 1, Decycling (HO1)

Catalog Number: SIPA520Po01 **Spec: 100ug**

Product Name	Recombinant Heme Oxygenase 1, Decycling (HO1)
Catalog Number	SIPA520Po01
Organism Species	Pig
Residues	Leu61~Val172 (Accession # P32394), with two N-terminal Tags, His-tag and S-tag.
Host	E. coli
Subcellular Location	Microsome. Endoplasmic reticulum.
Purity	>95%
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method).
Formulation	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Predicted isoelectric point	5.8
Predicted Molecular Mass	18.8kDa
Accurate Molecular Mass	24kDa as determined by SDS-PAGE reducing conditions.
Applications	SDS-PAGE; WB; ELISA; IP. (May be suitable for use in other assays to be determined by the end user.)
Note	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 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.

[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- LEEEIEHNKE NPVYTPLYFP EELHRRAALE QDMAFWYGPR WQEAIPYTQA TKRYVRRLQQ VGRFEPELLV AHAYTRYMGD LSGGQVLKKI AQKALDLPSS GEGLAFFTFP NV