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Recombinant Sepiapterin Reductase (SPR)

Catalog Number: SIPH086Hu01 **Spec: 2mg**

Product Name	Recombinant Sepiapterin Reductase (SPR)
Catalog Number	SIPH086Hu01
Organism Species	Human
Source	Prokaryotic expression
Host	E.coli
Residues	Met1~Lys261
Tags	N-terminal His and GST Tag
Subcellular Location	Cytoplasm
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	100mMNaHCO3, 500mMNaCl, pH8.3, containing 0.01% Sarcosyl, 5% Trehalose.
Original Concentration	800μg/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	8.3
Predicted Molecular Mass	58.0kDa
Accurate Molecular Mass	58kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[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 37°C 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]

MEGGLGRAVC LLTGASRGFG RTLAPLLASL LSPGSVLVLS ARNDEALRQL
EAELGAERSG LRVVRVPADL GAEAGLQQLL GALRELPRPK GLQRLLLINN
AGSLGDVSKG FVDLSDSTQV NNYWALNLTS MLCLTSSVLK AFPDSPGLNR
TVVNISSLCA LQPFKGWALY CAGKAARDML FQVLALEEPN VRVLNYAPGP
LDTDMQQLAR ETSVDPDMRK GLQELKAKGK LVDCKVSAQK LLSLLEKDEF
KSGAHVDFYD K

[IDENTIFICATION]

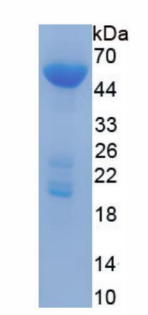


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.