

Sepiapterin Reductase Recombinant Protein | SPR recombinant protein

Recombinant Sepiapterin Reductase (SPR)

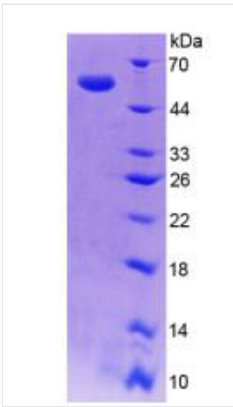
CATALOG # AAA145425	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Sepiapterin Reductase; Recombinant Sepiapterin Reductase (SPR); SDR38C1; 7; 8-Dihydrobiopterin:NADP+ Oxidoreductase; Short Chain Dehydrogenase/Reductase Family 38C; Member 1; SPR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Sequence	MEGGLGRAVC LLTGASRGFG RTLAPLLASL LSPGSVLVLS ARNDEALRQL EAELGAERSG LRVVRVPADL GAEAGLQQLL GALRELPRPK GLQRLLINN AGSLGDVSKG FVDLS DSTQV NNYWALNLTS MLCLTSSVLK AFPDSPGLNR TVVNISSICA LQPFKGWALY CAGKAARDML FQVLALEEPN VRVLNYAPGP LDTDMQQLAR ETSVDPMRK GLQELKAKGK LVDCKVSAQK LLSLLEKDEF KSGAHVDFYD K
Sequence Length	261
Applicable Applications for SPR recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	58.0kDa
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Endotoxin Level	<1.0EU per 1 ug (determined by the LAL method)
Expression System	Prokaryotic expression
Fragment	Met1~Lys261
Organism Species	Human
Tag	two N-terminal Tags, His-tag and GST-tag
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C 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 37 degree C 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.



MEGGLGRAVC LLTGASRGFG RTLAPLLASL LSPGSVLVLS ARNDEALRQL
EAEELGAERSG LRVVVRVPADL GAEAGLQQLL GALRELPRPK GLQRLLLLINN
AGSLGDVSKG FVDLSDSTQV NNYWALNLT MLCLTSSVLK AFPDSPGLNR
TVVNISSLCA LQPFKGWALY CAGKAARDML FQVLALEEPH VRVLINYAGP
LDTDMQQLAR ETSVDPDMRK GLQELKAKGK LVDCKVSQK LLSLLEKDEF
KSGAHVDFYD K

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507185
NCBI GeneID	6697
NCBI Accession #	NP_003115.1
NCBI GenBank Nucleotide #	NM_003124.4
Molecular Weight	28,048 Da
NCBI Official Full Name	sepiapterin reductase
NCBI Official Synonym Full Names	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)
NCBI Official Symbol	SPR
NCBI Official Synonym Symbols	SDR38C1
NCBI Protein Information	sepiapterin reductase
UniProt Protein Name	Sepiapterin reductase
UniProt Gene Name	SPR
UniProt Synonym Gene Names	SPR
UniProt Entry Name	SPRE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.