

Recombinant Human SPR, GST-tagged

Cat. No. SPR-2931H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPR protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-261aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	SPR sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase) [Homo sapiens]
Official Symbol	SPR
Synonyms	SPR; sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase); sepiapterin reductase; SDR38C1; short chain dehydrogenase/reductase family 38C; member 1; short chain dehydrogenase/reductase family 38C, member 1;

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Gene ID	6697
mRNA Refseq	NM_003124
Protein Refseq	NP_003115
MIM	182125
UniProt ID	P35270
Chromosome Location	2p14-p12
Pathway	Folate biosynthesis, organism-specific biosystem; Folate biosynthesis, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nitric oxide, organism-specific biosystem; Tetrahydrobiopterin
Function	NADP binding; aldo-keto reductase (NADP) activity; oxidoreductase activity; sepiapterin reductase activity; sepiapterin reductase activity;