Recombinant Human SPR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPR-5524H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPR MS Standard C13 and N15-labeled recombinant protein (NP_003115) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an aldo-keto reductase that catalyzes the NADPH-dependent reduction of pteridine derivatives and is important in the biosynthesis of tetrahydrobiopterin (BH4). Mutations in this gene result in DOPA-responsive dystonia due to sepiaterin reductase deficiency. A pseudogene has been identified on chromosome 1.
Molecular Mass	28 kDa
AA Sequence	MEGGLGRAVCLLTGASRGFGRTLAPLLASLLSPGSVLVLSARNDEALRQLEAELGAE RSGLRVVRVPADLGAEAGLQQLLGALRELPRPKGLQRLLLINNAGSLGDVSKGFVDL SDSTQVNNYWALNLTSMLCLTSSVLKAFPDSPGLNRTVVNISSLCALQPFKGWALY CAGKAARDMLFQVLALEEPNVRVLNYAPGPLDTDMQQLARETSVDPDMRKGLQEL KAKGKLVDCKVSAQKLLSLLEKDEFKSGAHVDFYDKTRTRPLEQKLISEEDLAANDIL DYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

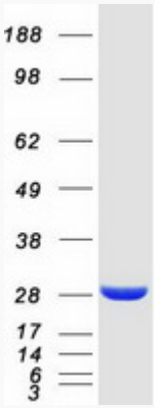
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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SPR sepiapterin reductase [Homo sapiens (human)]
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;
Gene ID	6697
mRNA Refseq	NM_003124
Protein Refseq	NP_003115
MIM	182125
UniProt ID	P35270

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SDS-PAGE	

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