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Product datasheet for PH305679

SPR (NM_003124) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SPR MS Standard C13 and N15-labeled recombinant protein (NP_003115)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205679
Predicted MW:	28 kDa
Protein Sequence:	>RC205679 protein sequence Red=Cloning site Green=Tags(s) MEGGLGRAVCLLTGASRGFGRTLAPLLASLLSPGSVLVLSARNDEALRQLEAELGAERSGLRVVRVPADL GAEAGLQQLLGALRELPRPKGLQRLLLINNAGSLGDVSKGFVDLSDSTQVNNYWALNLTSMLCLTSSVLK AFPDSPGLNRTVVNISSLCALQPFKGWALYCAGKAARDMLFQVLALEEPNVRVLNYAPGPLDTDMQQLAR ETSVDPDMRKGLQELKAKGKLVDCKVSAQKLLSLLEKDEFKSGAHVDFYDK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003115
RefSeq Size:	1466
RefSeq ORF:	783
Synonyms:	SDR38C1
Locus ID:	6697
UniProt ID:	P35270

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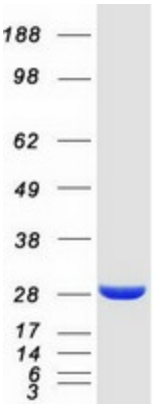
Cytogenetics: 2p13.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Folate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified SPR protein (Cat# [TP305679]). The protein was produced from HEK293T cells transfected with SPR cDNA clone (Cat# [RC205679]) using MegaTran 2.0 (Cat# [TT210002]).