

Sepiapterin Reductase Mouse Recombinant

Item Number	rAP-1762
Synonyms	SDR38C1, SPR, Dystonia, Sepiapterin reductase, mCG_128676.
Description	SPR Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 285 amino acids (1-262 a.a) and having a molecular mass of 30.3kDa. SPR is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q91XH5
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEAGGLG CAVCVLTGAS RGFGRALAPQ LARLLSPGSV MLVSARSESM LRQLKEELGA QQPDLKVVLA AADLGTEAGV QRLLSAVREL PRPEGLQRLL LIN- NAATLGD VSKGFLNVND LAEVNYYWAL NLTSMCLCTS GTLNAFQDSP GLSKTVVNIS SLCALQPYKG WGLYCAGKAA RDMLYQVLAA EEPVSRVLSY APGPLDNDMQ QLARETSKDP ELRSKLQKLK SDGAL- VDCGT SAQKLLGLLQ KDTFQSGAHV DFYDC.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colourless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	SPR protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.5), 1mM DTT and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**