
Product Data Sheet

Product Name: OXSR1 Human
 Cat. No.: GP24116
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serine/threonine-protein kinase OSR1; Oxidative stress-responsive 1 protein; KIAA1101; OSR1; OXSR1; Oxidative Stress Responsive 1.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMSEDSSA LPWSINRDDY ELQEVIQSGA TAVVQAAYCA PKKEKVAIKR INLEKCQTSM DELLKEIQAM SQCHHPNIVS YYTSFVVKDE LWLVMKLLSG GSVLDIIKHI VAKGEHKSGV LDESTIATIL REVLEGLEYL HKNGQIHRDV KAGNILLGED GSVQIADFGV SAFLATGGDI TRNKVRKTFV GTPCWMAPEV MEQVRGYDFK ADIWSFGITA IELATGAAPY HKYPPMKVLM LTLQNDPPSL ETGVQDKEML KKYGKSFRKM ISLCLQKDPE KRPTAAELLR HKFFQKAKNK EFLQEKTLQR APTISERAKK VRRVPGSSGR LHKTEDGGWE WSDDEFDEES EEGKAAISQL RSPRVKESIS NSELFPTTDP VGTLLQVPEQ ISAHLPQAG QIATQPTQVS LPPTAEPAKT AQALSSGSGS QETKIPISLV LRLRNSKKEL NDIRFEFTPG RDTAEGVSQE LISAGLVDGR DLVIVAANLQ KIVEEPQSNR SVTFKLASGV EGSDIPDDGK LIGFAQLSIS.</p>		
Formulation	The OXSR1 solution (0.5mg/1ml) contains Phosphate Buffered Saline (pH7.4), 30% glycerol and 1mM DTT.		

Introduction

Oxidative Stress Responsive 1, also known as OXSR1 belongs to the neuronal calcium sensor gene family. OXSR1 encodes calcium-binding proteins which expressed mainly in neurons and regulates G protein-coupled receptor phosphorylation in a calcium-dependent way. OXSR1 regulates downstream kinases in response to environmental stress and functions in regulating the actin cytoskeleton.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

OXSR1 Human Recombinant produced in E. coli is a single polypeptide chain containing 550 amino acids (1-527) and having a molecular mass of 60.4kDa. OXSR1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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