

## 32-4387: Recombinant Human Oxidative Stress Responsive 1

**Alternative Name :** Serine/threonine-protein kinase OSR1, Oxidative stress-responsive 1 protein, KIAA1101, OSR1, OXSR1, Oxidative Stress Responsive 1.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 85.0% as determined by SDS-PAGE.

**Content :** The OXSR1 solution (0.5mg/1ml) contains Phosphate Buffered Saline (pH7.4), 30% glycerol and 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMSDSSA 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 EFLQEKLQR APTISERAKK  
VRRVPGSSGR LHKTEDGGWE WSDDEFDEES EEGKAAISQL RSPRVKESIS NSELFPTTDP VGTLLQVPEQ  
ISAHLQPAG QIATQPTQVS LPPTAEPKAT AQALSSGSGS QETKIPISLV LRLRNSKKEL NDIRFEFTPG  
RDTAEGVSQE LISAGLVDGR DLVIVAANLQ KIVEEPQSNR SVTFKLASGV EGSDIPDDGK LIGFAQLSIS.

