

OXR1, 1-527aa, Human, His tag, E.coli

Cat.NO.: TP03275

3th Edition

Synonyms: Serine/threonine-protein kinase OSR1, KIAA1101, OSR1, Oxidative stress-responsive 1 protein, Serine threonine-protein kinase OSR1

Description: OXR1 is a member of the neuronal calcium sensor gene family, which encode calcium-binding proteins expressed predominantly in neurons. This protein regulates G protein-coupled receptor phosphorylation in a calcium-dependent manner and can substitute for calmodulin. It is associated with secretory granules and modulates synaptic transmission and synaptic plasticity. Multiple transcript variants encoding different isoforms have been found for this gene. Recombinant human OXR1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 1X Phosphate Buffered Saline (pH7.4) containing 30% glycerol, 1mM DTT

Molecular Weight: 60.4. kDa (550aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSEDSSALPWSINRDDYELQEVIQSGATAVVQAAYCAPKKEKVAIKRINLEK
CQTSMDPELLKEIQAMSQCHHPNIVSYTTSFVVKDELWLVMLKLLSGGSVLDIIKHIVAKGEHKSGVLDDESTIATILREVL
EGLEYLHKNGQIHRDVKAGNILLGEDGSVQIADFGVSAFLATGGDITRNKVRKTFVGTPCWMAPEVMEQVRGYDFK
ADIWSFGITAIELATGAAPYHKYPPMKVLMMLTLQNDPPSLETGVQDKEMLKKYGKSFKRMISLCLQKDPEKRPTAAE
LLRHKFFQKAKNKEFLQEKTQRAPTISERAKKVRVPGSSGRLHKTEDGGWEWSDDDEFDEESEEGKAAISQLRS
PRVKESISNSELFPPTDTPVGTLLQVPEQISAHLPQAPAGQIATQPTQVSLPPTAEPAKTAQALSSGSGSQETKIPISLVL
RLRNSKKELNDRIFEFTPGRDTAEGVSQELISAGLVDGRDLVIVAANLQKIVEEPQSNRSVTFKLAGSVEGSDIPDDG
KLIGFAQLSIS

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.