

Bioactive

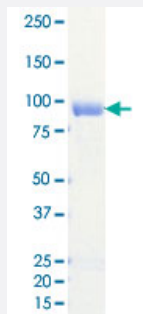
Full-Length

OXSR1 (Human) Recombinant Protein

Catalog # P5614

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

□

Specification

Product Description

Human OXSR1 (NP_005100.1, 1 a.a. - 527 a.a.) full-length recombinant protein with GST tag co-expressed with His-tagged WNK1 (NP_061852.1, 1 a.a. - 491 a.a.) expressed in baculovirus infected Sf 21 cells.

Host

insect

Theoretical MW (kDa)

85

Form

Liquid

Preparation Method

Baculovirus infected insect cell (Sf21) expression system

Purification

Glutathione sepharose chromatography

Purity	98 % by SDS-PAGE/CBB staining
Activity	The activity was determined by ELISA. The enzyme was incubated with biotinylated peptide in strept avidin-coated ELISA plate. Phosphorylation was detected by HRP-labeled anti-phospho antibody. S ubstrate: CATCHtide. ATP: 100 uM.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — OXSR1

Entrez GeneID	9943
Protein Accession#	NP_005100.1
Gene Name	OXSR1
Gene Alias	KIAA1101, OSR1
Gene Description	oxidative-stress responsive 1
Omim ID	604046
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the Ser/Thr protein kinase family of proteins. It regulates down stream kinases in response to environmental stress, and may play a role in regulating the actin cytoskeleton. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Epinephrine inhibits PI3K \$\alpha\$ via the Hippo kinases.](#)

Ting-Yu Lin, Shakti Ramsamooj, Tiffany Perrier, Katarina Liberatore, Louise Lantier, Neil Vasan, Kannan Karukurichi, Seo-Kyoung Hwang, Edward A Kesicki, Edward R Kastenhuber, Thorsten Wiederhold, Tomer M Yaron, Emily M Huntsman, Mengmeng Zhu, Yilun Ma, Marcia N Paddock, Guoan Zhang, Benjamin D Hopkins, Owen McGuinness, Robert E Schwartz, Baran A Ersoy, Lewis C Cantley, Jared L Johnson, Marcus D Goncalves.

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Application: Thin-layer chromatography, Human, Recombinant protein