

Recombinant Human KSR1 Protein, 335-end, N-GST tagged

Cat. No. KSR1-60H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KSR1 (335-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	335-end
Description	Enables 14-3-3 protein binding activity; ATP binding activity; and protein C-terminus binding activity. Involved in positive regulation of MAPK cascade. Located in endoplasmic reticulum and membrane. Part of protein-containing complex. Implicated in breast adenocarcinoma. Biomarker of breast cancer.
Molecular Mass	105 kDa
Purity	The purity of KSR1 was determined to be > 70% by densitometry, approx. MW 105 kDa.
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Shipping	Dry ice
References	1. Yan. et.al: Kinase suppressor of Ras-1 protects intestinal epithelium from cytokine-mediated apoptosis during inflammation. J. Clin. Invest. 114: 1272-1280, 2004. 2. Zhang. et.al: Kinase suppressor of Ras-1 protects against pulmonary Pseudomonas aeruginosa infections. Nature Med. 17: 341-346, 2011.

GENE INFORMATION

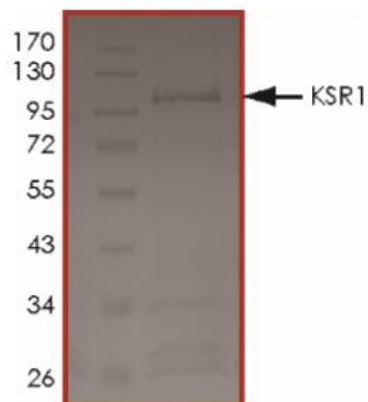
Gene Name	KSR1 kinase suppressor of ras 1 [Homo sapiens (human)]
Official Symbol	KSR1
Synonyms	KSR1; kinase suppressor of ras 1; KSR; RSU2; kinase suppressor of Ras 1; EC 2.7.11.1
Gene ID	8844
mRNA Refseq	NM_014238
Protein Refseq	NP_055053
MIM	601132
UniProt ID	A0A0A0MQW1

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Purity



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