

Recombinant Human KSR1 Protein, GST-tagged

Cat. No. KSR1-4796H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KSR1 full-length ORF (AAI67812.1, 1 a.a. - 762 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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	83.9 kDa
AA Sequence	MNEAKVKETLRRCGASGDECGRLQYALTCLRKVTGLGGEHKEDSSWSSLDARRES GSGPSTDTLAASLPWPPGSSQLGRAGNSAQGPRISVSALPASDSPTPSFSEGLS DTCIPLHASGRLTPRALHSFITPPTTPQLRRHTKLKPPRTPPPPSRKVFQLLPSFPTLT RSKSHESQLGNRIDDVSSMRFDLSHGSPQMVRDIGLSVTHRFSTKSWLSQVCHV CQKSMIFGVKCKHCRLKCHNKCTKEAPACRISFLPLTRLRRTESVPSDINNPDRAA EPHFGTLPKALTKEHPPAMNHLDSSSNPSSTTSSTPSSPAPFPTSSNPSSATTPPN PSPGQRDSRFNFPAAYFIHHRQQFIFPVPSAGHCWKCLLIAESLKENAFNISAFAHAA PLPEAADGTRLDDQPKADVLEAHEAEAEPEAGKSEAEDDEDEVDDLPSRRPW GPISRKASQTSVYLQEWDPFEQVELGEPIGQGRWGRVHRGRWHGEVAIRLLEMD GHNQDHLKLFKKEVMNYRQTRHENVVLFMGACMNPPHLAITSFCKGRTLHSFVRD

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PKTSLDINKTRQIAQEIIKGMGYLHAKGIVHKDLKSKNVFYDNGKVVITDFGLFGISGV
VREGRRENQLKLSHDWLCYLAPEIVREMPGKDEDQLPFSKAADVYAFGTWVYEL
QARDWPLKNQAAEASIWQIGSGEGMKRVLTSVSLGKEVSEILSACWAFDLQERPSF
SLLMDMLEKLPLNRRLSHPGHFWKSAEL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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 https://www.ncbi.nlm.nih.gov/nuccore/NM_014238.2

Protein Refseq https://www.ncbi.nlm.nih.gov/protein/NP_055053.1

MIM <https://omim.org/entry/601132>

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UniProt ID

<https://www.uniprot.org/uniprotkb/Q8IVT5/entry>

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