

## Recombinant Human KSR1 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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.
<b>Molecular Mass</b>	83.9 kDa
<b>AA Sequence</b>	MNEAKVKETLRRCGASGDECGRLQYALTCLRKVTGLGGEHKEDSSWSSLDARRES GSGPSTDTLSAASLPWPPGSSQLGRAGNSAQQPRISISVSALPASDSPTPSFSEGLS DTCIPLHASGRLTPRALHSFITPPTTPQLRRHTKLKPPRTPPPSRKVFQLLPSFPTLT RSKSHESQLGNRIDDVSSMRFDL SHGSPQMVR RDIGLSVTHRFSTKSWLSQVCHV CQKSMIFGVKCKHCRLKCHNKCTKEAPACRISFLPLTRLRRTESVPSDINNPDRAA EPHFGTLPKALTKKEHPPAMNHL DSSSNPSSTTSSTPSSPAPFPTSSNPSSATTPPN PSPGQRDSRFNFPAAYFIHHRQQFIFVPSAGHCWKCLLIAESLKENAFNISAFAHAA PLPEAADGTRLDDQPKADVLEAHEAEAEPEAGKSEAEDDEDEVDDLPSRRPWR GPISRKASQTSVYLQEWDIPFEQVELGEPIGQGRWGRVHRGRWHGEVAIRLLEMD GHNQDHLKLFKKEVMNYRQTRHENVVLFMGACMNPPHLAIITSFCKGRTLHSFVRD

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PKTSLDINKTRQIAQEIIKGMGYLHAKGIVHKDLKSKNVFYDNGKVVITDFGLFGISGV  
VREGRRENQLKLSHDWLCYLAPEIVREMPGKDEDQLPFSKAADVYAFGTVWYEL  
QARDWPLKNQAAEASIWQIGSGEGMKRVLTSVSLGKEVSEILSACWAFDLQERPSF  
SLLMDMLEKLPKLNRRLSHPGHFWKSAEL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	KSR1 kinase suppressor of ras 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	KSR1
<b>Synonyms</b>	KSR1; kinase suppressor of ras 1; KSR; RSU2; kinase suppressor of Ras 1; EC 2.7.11.1
<b>Gene ID</b>	8844
<b>mRNA Refseq</b>	<a href="https://www.ncbi.nlm.nih.gov/nucore/NM_014238.2">https://www.ncbi.nlm.nih.gov/nucore/NM_014238.2</a>
<b>Protein Refseq</b>	<a href="https://www.ncbi.nlm.nih.gov/protein/NP_055053.1">https://www.ncbi.nlm.nih.gov/protein/NP_055053.1</a>
<b>MIM</b>	<a href="https://omim.org/entry/601132">https://omim.org/entry/601132</a>

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UniProt ID

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

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