

## Recombinant Human KSR1 (431-end) (N-GST tag)

Cat No:HR2R1659

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	KSR1
Gene ID	N/A
Accession	Q8IVT5
Alternative Name	KSR; RSU2
Species	Human
Source	Insect cells
Description	KSR1 or Kinase Suppressor of Ras 1 interacts with various kinases of the Raf/MEK/extracellular signal-regulated kinase pathway to enhance its activation. KSR1 is regulated in response to a specific mode of dimerization of its kinase domain, which is termed the side-to-side dimer, whereas KSR1 also participates in forming side-to-side heterodimers with RAF and this can trigger RAF activation. KSR1 has an essential protective role in the intestinal epithelial cell during inflammation through activation of cell survival pathways . KSR1 functions as a scaffold that enhances iNOS activity and is crucial for the pulmonary response to P. aeruginosa infection .
Functions	The specific activity of KSR1was determined to be 8nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	66
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. 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.