

Human KSR1, C-His Tag Protein

HA210518



Product name:	Human KSR1, C-His Tag
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human KSR1 protein (Q8IVT5) (Glu 27-Gly 172) was expressed with a His tag at the C-terminus.

Background: Part of a multiprotein signaling complex which promotes phosphorylation of Raf family members and activation of downstream MAP kinases. Independently of its kinase activity, acts as MAP2K1/MEK1 and MAP2K2/MEK2-dependent allosteric activator of BRAF; upon binding to MAP2K1/MEK1 or MAP2K2/MEK2, dimerizes with BRAF and promotes BRAF-mediated phosphorylation of MAP2K1/MEK1 and/or MAP2K2/MEK2. Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP. Its kinase activity is unsure. Some protein kinase activity has been detected in vitro, however the physiological relevance of this activity is unknown.

Purity: >95% as determined by SDS-PAGE.

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: KSR1(27-172)

Source: E.coli

Accession: Q8IVT5

Predicted molecular mass: 17.9 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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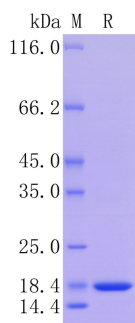


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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