

Datasheet for ABIN7563898  
**KSR1 Protein (AA 1-873) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KSR1
Protein Characteristics:	AA 1-873
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KSR1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Ksr1 Protein expressed in mammalian cells.
Sequence:	MDRAALRAAA MGEKKEGGGG GAAADGGAGA AVSRALQQCG QLQKLIDISI GSLRGLRTKC SVSNDLTQQE IRTLEAKLVK YICKQQQSKL SVTPSDRTAE LNSYPRFSDW LYIFNVRPEV VQEIPQELTL DALLEMDEAK AKEMLRWGA STEECSRLQQ ALTCLRKVTG LGGEHKMDSG WSSTDARDSS LGPPMDMLSS LGRAGASTQG PRSISVSALP ASDSPVPGLS EGLSDSCIPL HTSGRLTPRA LHSFITPPTT PQLRRHAKLK PPRTPPPPSR KVFQLLPSFP TLTRSKSHES QLGNRIDDVT PMKFELPHGS PQLVRRDIGL SVTHRFSTKS WLSQVCNVCQ KSMIFGVKCK HCRLKCHNKC TKEAPACRIT FLPLARLRRT ESVPDINNP VDRAAEPHFG TLPKALTKE HPPAMNLDSS SNPSSTTSST PSSPAPFLTS SNPSSATTPP NPSPGQRDSR FSFPDISACS QAAPLSSTAD STRLDDQPKT DVLGVHEAEA EEPEAGKSEA EDDEEDEVDD LPSSRRPWRG PISRKASQTS VYLQEWDIPI EQVELGEPG QGRWGRVHRG RWHGEVAIRL LEMDGHNQDH LKLFKKEVMN YRQTRHENVV LFMGACMNPP HLAITSFCK GRTLHSFVRD PKTSLDINKT RQIAQEIKG MGYLHAKGIV HKDLKSKNVF YDNGKVVITD FGLFGISGVV REERRENQLK

## Product Details

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LSHDWLCYLA PEIVREMIPG RDEDQLPSFK AADVYAFGTV WYELQARDWP FKHQPAAELI  
WQIGSGEGVR RVLASVSLGK EVGEILSACW AFDLQERPSF SLLMDMLERL PKLNRRLSHP  
GHFWKSADIN SSKVMRFRER FGLGTLESGN PKM **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: KSR1

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Alternative Name: Ksr1 ([KSR1 Products](#))

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Background: Kinase suppressor of Ras 1 (mKSR1) (EC 2.7.11.1) (Protein Hb),FUNCTION: Part of a multiprotein signaling complex which promotes phosphorylation of Raf family members and activation of downstream MAP kinases (PubMed:10409742, PubMed:12932319, PubMed:21102438, PubMed:21441104). Independently of its kinase activity, acts as MAP2K1/MEK1 and MAP2K2/MEK2-dependent allosteric activator of BRAF, upon binding to

## Target Details

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MAP2K1/MEK1 or MAP2K2/MEK2, dimerizes with BRAF and promotes BRAF-mediated phosphorylation of MAP2K1/MEK1 and/or MAP2K2/MEK2 (By similarity). Promotes activation of MAPK1 and/or MAPK3, both in response to EGF and to cAMP (PubMed:21102438). Its kinase activity is unsure (PubMed:21441104). Some protein kinase activity has been detected in vitro, however the physiological relevance of this activity is unknown (PubMed:21441104). {ECO:0000250|UniProtKB:Q81VT5, ECO:0000269|PubMed:10409742, ECO:0000269|PubMed:12932319, ECO:0000269|PubMed:21102438, ECO:0000269|PubMed:21441104}.

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Molecular Weight: 96.8 kDa

UniProt: [Q61097](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months