



Recombinant Mouse Krev interaction trapped protein 1 (Krit1)

Product Code	CSB-EP740859MO
Abbreviation	Krit1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6S5J6
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MGNPENIEDA YVAVIRPKNT ASLNSREYRA KSYEILLHEV PIEGQKKKRK KVLLETKLQS NSEIAQGILD YVVETTKPIS PANQGIKGR VVLMRKFPLD GEKTGREAAAL FIVPSVVKDN TKYAYTPGCP IFYCLQDIMR VCSESSTHFA TLTARMLIAL DKWLDERHAQ SHFIPALFRP SPLERIKTNV INPAYAAELG QVDNSLHMGY SALEIKSKML ALEKADTCIY NPLFGSDLQY TNRVDKVVIN PYFGLGAPDY SKIQIPKQEK WQRSMSSVVE DKERQWVDDF PLHRNACEGD SELLSHLLDK GLSVNQLDND HWAPIHYACW YGKVEATRIL LEKGKCNPNL LNGQLSSPLH FAAGGGHAEI VQILLTHPDI DRHITDQQGR SPLNVCEENK QNNWEEAAKL LKDAINKPYE KVRIYRMDGS YRSVELKHGN NTTAQQIMEG MRLSQETQRY FTIWICSENL SLQFKPYHKP LQQVHDWPEI LAELTNLDPQ RETPQLFLRR DVGLPLEVEK KIEDPLAILI LFDEARYNLL KGFYTAPDAK LITLASLLLQ IVYGNYESKK HKQGFLNEET LKSIVPITKL KSKAPHWINR ILHEYKNLSL SEGVSKEMHH LQRMFLQNCW EIPTYGAFF TGQIFTKASP SNHKVIPVYV GVNIKGLHLL NMETKALLIS LKYCCFTWQL GDAGTCFQIH SMENKMSFIV HTKQAGLVVK LLMKLNQQLM PSERNS
Source	E.coli
Target Names	Krit1
Protein Names	Recommended name: Krev interaction trapped protein 1 Short name= Krev interaction trapped 1 Alternative name(s): Cerebral cavernous malformations 1 protein homolog
Expression Region	1-736
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a protein containing four ankyrin repeats, a band 4.1/ezrin/radixin/moesin (FERM) domain, and multiple NPXY sequences. The



encoded protein is localized in the nucleus and cytoplasm. It binds to integrin cytoplasmic domain-associated protein-1 alpha (ICAP1alpha), and plays a critical role in beta1-integrin-mediated cell proliferation. It associates with junction proteins and RAS-related protein 1A (Rap1A), which requires the encoded protein for maintaining the integrity of endothelial junctions. It is also a microtubule-associated protein and may play a role in microtubule targeting. Mutations in this gene result in cerebral cavernous malformations. Multiple alternatively spliced transcript variants have been found for this gene.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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