



Recombinant Human Krev interaction trapped protein 1 (KRIT1)

Product Code	CSB-MP012501HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O00522
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	<p>MGNPENIEDA YVAVIRPKNT ASLNSREYRA KSYEILLHEV PIEGQKKKRK KVLLETQLQG NSEITQGILD YVVETTKPIS PANQGIRGKR VVLMKKFPLD GEKMGREASL FIVPSVVKDN TKYTYTPGCP IFYCLQDIMR VCSESSTHFA TLTARMLIAL DKWLDERHAQ SHFIPALFRP SPLERIKTNV INPAYATESG QTENSLHMGY SALEIKSKML ALEKADTCIY NPLFGSDLQY TNRVDKVVIN PYFGLGAPDY SKIQIPKQEK WQRSMSSVTE DKERQWVDDF PLHRSACEGD SELLSRLLSE RFSVNQLDSD HWAPIHYACW YGKVEATRIL LEKGKCNPNL LNGQLSSPLH FAAGGGHAEI VQILLNHPET DRHITDQQGR SPLNICEENK QNNWEEAAKL LKEAINKPYE KVRIYRMDGS YRSVELKHGN NTTVQQIMEG MRLSQETQQY FTIWICSENL SLQLKPYHKP LQHVRDWPEI LAELTNLDPQ RETPQLFLRR DVRLPLEVEK QIEDPLAILI LFDEARYNLL KGFYTAPDAK LITLASLLLQ IVYGNYESKK HKQGFLNEEN LKSIVPVTKL KSKAPHWTNR ILHEYKNLST SEGVSKEMHH LQRMFLQNCW EIPTYGAFF TGQIFTKASP SNHKVIPVYV GVNIKGLHLL NMETKALLIS LKYGCFMWQL GDTDTCFQIH SMENKMSFIV HTKQAGLVVK LLMKLNQQLM PTERNS</p>
Source	Mammalian cell
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
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

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.