Datasheet for ABIN3135242

BRIP1 Protein (AA 1-1174) (His tag)

1 Image

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Overview

Quantity:	1 mg
Target:	BRIP1
Protein Characteristics:	AA 1-1174
Origin:	Mouse
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BRIP1 protein is labelled with His tag.
Application:	ELISA, Western Blotting (WB), Crystallization (Crys), SDS-PAGE (SDS)

Product Details

Sequence:	MSSVLSDYTI GGVKIHFPCR AYPAQLAMMN SIVRGLNSSQ HCLLESPTGS GKSLALLCSA LAWQQSLSEK PVDEGLNKKP EAPPSCSCAC HSKNFTYSDT NLDTSPHFNS PSKPSSGRNG VSTPCQDSPE KNTLAAKLSA KKQASIHRDE DDDFQVEKKR IRPLETTQQI RKRHCLEKDV HHVDARLASE KRVKPESPIG KSFSDRKDSF QNVDGLCSRC CCSAKQGNNQ EPANTVKKDH GGQCKRPKIY FGTRTHKQIA QITRELRKTA YSGVPMTILS SRDHSCVHPE VVGNFNRKEK CMELLDGKHG KSCYFYHGVH KISNQQTLQH LQGMSRAWDI EELVSLGRKL KACPYYTARE LIEDADIVFC PYNYLLDSQI RETMDIKLKG QVVILDEAHN IEDCARESAS YSVTEVQLRF ARDELDSLIN GNIRKKSHEP LRDVCYNLIN WLETNSKHLV ERGYESSCKI WSGNEMLLNL YRMGITTATF PVLQRHLSAV LQKEEKVTPI HGKEEAIQIP IISASTQVVL KGLFMVLDYL FRENSRFADD YKVAIQQTYS WTNQIAIFDK TGVLAVPKNK KHSRQKIGVN ALNFWCLNPA VAFSDINDKV RTIVLTSGTL SPLKSFSSEL GVTFSIQLEA NHVISNSQVW VGTVGSGPKG RNLCATFQHT ETFEFQDEVG MLLLSVCQTV SQGILCFLPS YKLLEKLRER WIFTGLWHSL

	ESVKTVIAEP QGGEKTDFDE LLQVYYDAIK FKGEKDGALL IAVCRGKVSE GLDFSDDNAR AVITVGIPFP NVKDLQVELK RQYNDHHSKS RGLLPGRQWY EIQAYRALNQ ALGRCIRHKN DWGALILVDD RFNNNPNRYI SGLSKWVRQQ IQHHSSFASA LESLTEFSRR HQKVTNRSKK DEKCTKDNEP TLEVACLEDS TFTSVSESSH QSPENSTEEA EVCVQELQCP QVATKSPSVA SHGVSRRKKS DPGLRGESLQ TMKTEKNEIS RSSSPTFGKQ TEPVNWPIFN SLRRHFNSKV KNCTPVLKSS KNRAPGSSTF NKTALPLTGN CVPSNETADT SLGPCLQSEV IISPVKIEAT PATNYSKQVF CCEKDLLPDT ELSPGTEEAK CPSSNKAAET EVDDDSECFT PELFDPVDTN EENGELVETD RSSHSSDCFS AEELFETATG FGQK **Sequence without tag. Tag location is at the discretion of the manufacturer. If you have a special request, please contact us.**
Characteristics:	• Made in Germany - from design to production - by highly experienced protein experts. • Mouse Brip1 Protein (raised in Insect Cells) purified by multi-step, protein-specific process to ensure crystallization grade. • 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 will ensure that you receive a correctly folded protein. 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. In the unlikely event that the protein cannot be expressed or purified we do not charge anything (other companies might charge you for any performed steps in the expression process for custom-made proteins, e.g. fees might apply for the expression plasmid, the first expression experiments or purification optimization). When you order this made-to-order protein you will only pay upon receival of the correctly folded protein. With no financial risk on your end you can rest assured that our experienced protein experts will do everything to make sure that you receive the protein you ordered. The concentration of our recombinant proteins is measured using the absorbance at 280nm. The protein's absorbance will be measured in several dilutions and is measured against its specific reference buffer. The concentration of the protein is calculated using its specific absorption coefficient. We use the Expasy's protparam tool to determine the absorption coefficient of each protein.
Purification:	Two step purification of proteins expressed in baculovirus infected SF9 insect cells: 1. In a first purification step, the protein is purified from the cleared cell lysate using three different His-tag capture materials: high yield, EDTA resistant, or DTT resistant. Eluate fractions are analyzed by SDS-PAGE.

Product Details

	2. Protein containing fractions of the best purification are subjected to second purification step through size exclusion chromatography. Eluate fractions are analyzed by SDS-PAGE and Western blot.
Purity:	>95 % as determined by SDS PAGE, Size Exclusion Chromatography and Western Blot.
Sterility:	0.22 µm filtered
Endotoxin Level:	Protein is endotoxin free.
Grade:	Crystallography grade

Target Details

Target:	BRIP1
Alternative Name:	Brip1 (BRIP1 Products)
Background:	DNA-dependent ATPase and 5' to 3' DNA helicase required for the maintenance of chromosomal stability. Acts late in the 'Fanconi anemia' pathway, after FANCD2 ubiquitination. Involved in the repair of DNA double-strand breaks by homologous recombination in a manner that depends on its association with BRCA1 (By similarity). {ECO:0000250}.
Molecular Weight:	132.3 kDa Including tag.
UniProt:	Q5SXJ3
Pathways:	DNA Damage Repair

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a gurantee though.
Comment:	Protein has not been tested for activity yet. In cases in which it is highly likely that the recombinant protein with the default tag will be insoluble our protein lab may suggest a higher molecular weight tag (e.g. GST-tag) instead to increase solubility. We will discuss all possible options with you in detail to assure that you receive your protein of interest.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

Buffer:	100 mM NaCL, 20 mM Hepes, 10% glycerol. pH value 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:	Unlimited (if stored properly)

Images

Image 1. „Crystallography Grade“ protein due to multi-step, protein-specific purification process