Datasheet for ABIN7564183

TEX14 Protein (AA 1-1450) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	TEX14
Protein Characteristics:	AA 1-1450
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TEX14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tex14 Protein expressed in mammalian cells.
Sequence:	MSRGAPFPVP CPVLLGTFTD DSLEAQLHEY AKQGNCVKLK KILKKGVCVD AVNTQGQSAL FVAALLGHVK LVDVLVDYGS DPNHRCFDGS TPVHAAAFSG NQWILSKLLT AGGDLRLHDE KGRNPQAWAL TAGKDRSTQM VEFMQRCTSH MKAIIQGFSY DLLKKIDSPQ RLIGSPPWFG SLIQGSPNSS PNRQLKPGII SAQNIYSFGF GKFYLTSGMQ LTYPGSLPVI GEKEVVQADD EPTFSFFSGP YMVMTNLVWN RSRVTVKELN LPTRPHCSRL RLADLLIAEQ EHSSNLRHPN LLQLMAVCLS RDLEKIRLVY ERITVGTLFS VLHERRSQFP VLHMEVIVHL LLQVADALIY LHSRGFIHRS LSSYAVHIVS AGEARLTNLE YLTESQDSGA HRNVTRMPLP TQLYNWAAPE VVLQKAATVK SDIYSFSVII QEILTDSIPW NGLDGSLVKE TIALGNYLEA DVRLPEPYYD IVKSGIHAKQ KNRTMNLQDI RYILKNDLKE FIGAQKTQPT ESPRGQSYEP HPDVNICLGL TSEYQKDPPD LDIKELKEMG SQPHSPTDHS FLTVKPTLAP QTLDSSLSAQ KPDNANVPSP PAACLAEEVR SPTASQDSLC SFEINEIYSG CLTLGTDKEE ECLGTAASPE GDRPNQGDEL PSLEEELDKM ERELHCFCEE DKSISEVDTD LLFEDDDWQS DSLGSLNLPE PTREAKGKTS

	SWSKTDEYVS KCVLNLKISQ VMMQQSAEWL RKLEQEVEEL EWAQKELDSQ CSSLRDASLK FANAKFQPAV GPPSLAYLPP VMQLPGLKQP ENGGTWLTLA RSPGNEREFQ EGHFSKKPEK LSACGWKPFT QVSEESRGDC SELNNQLPTL RGPGKQSTGE QLPSTQEARE SLEKNTNQNS RSMASVSSEI YATKSRNNED NGEAHLKWRL AVKEMAEKAV SGQLLLPPWN PQSSAPFESK VENESTPLPR PPIRGPESTE WQHILEYQRE NDEPKGNTKF GKMDNSDCDK NKHSRWTGLQ RFTGIRYPFF RNHEQPEQNE ASQASCDTSV GTEKFYSTSS PIGDDFERFQ DSFAQRQGYV EENFQIREIF EKNAEILTKP QFQAIQCAED KQDETLGETP KELKEKNTSL TDIQDLSSIT YDQDGYFKET SYKTPKLKHA PTSASTPLSP ESISSAASHY EDCLENTTFH VKRGSTFCWN GQEAMRTLSA KFTTVRERAK SLESLLASSK SLPAKLTDSK RLCMLSETGS SNVSAAFVTS THATKRKSLP RELAEATSQQ HLDELPPPAQ ELLDEIEQLK QQQVSSLASH ENTARDLSVT NKDKKHLEEQ ETNSSKDSSF LSSREIQDLE DTERAHSSLD EDLERFLQSP EENTALLDPT KGSTREKKNK DQDVVEQKRK KKESIKPERR ESDSSLGTLE EDELKPCFWK RLGWSEPSRI IVLDQSDLSD **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.**
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.
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.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TEX14
Alternative Name:	Tex14 (TEX14 Products)
Background:	Inactive serine/threonine-protein kinase TEX14 (Testis-expressed sequence 14) (Testis-expressed sequence 14 protein),FUNCTION: Required both for the formation of intercellular bridges during meiosis and for kinetochore-microtubule attachment during mitosis. Intercellular bridges are evolutionarily conserved structures that connect differentiating germ cells and are required for spermatogenesis and male fertility. Acts by promoting the conversion of midbodies into intercellular bridges via its interaction with CEP55: interaction with CEP55 inhibits the interaction between CEP55 and PDCD6IP/ALIX and TSG101, blocking cell abscission and leading to transform midbodies into intercellular bridges. Also plays a role during mitosis: recruited to kinetochores by PLK1 during early mitosis and regulates the maturation of the outer kinetochores and microtubule attachment. Has no protein kinase activity in vitro. {ECO:0000269|PubMed:16549803, ECO:0000269|PubMed:19020301, ECO:0000269|PubMed:20176808, ECO:0000269|PubMed:22405274}.
Molecular Weight:	162.5 kDa
UniProt:	Q7M6U3
Pathways:	Maintenance of Protein Location

Application Details

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

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

