Datasheet for ABIN7560420

Tex19a Protein (AA 1-351) (His tag)

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Overview

Quantity:	1 mg
Target:	Tex19a (TEX19.1)
Protein Characteristics:	AA 1-351
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Tex19a protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tex19.1 Protein expressed in mammalian cells.
Sequence:	MCPPVSVRHG ARGMSCLYEA WLYHLVHGEQ TKICFACFKA AFLLNKLYLE MGDWQEEEEE EEEEDADLLE YLSESESESE QEPGPEQDAW RGLGSLYVPQ SVSEGSGVLL PTPVWTQGIL FSIFVPTELF PQEAVPLDLG PEDAEWTQAL PWRLDGLFPC SHQLIPPLTW WDIFDVMPSP GQPVLLELRC HWPLDQTVAQ SWLQDQKFVL LDSVQSRCH LLSMRVRWVV RTQVQHWQVL LDPGEMWVAH FRKEVGQHGL YHQSLNPWRL SILTASELGM ELLPATCYLW NKGFWVGSFL PWHINMPETW SWEPGERLFI TDATICGTDY HLAQSFLDSH PTPHPLLTLT P **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:

Product Details

- 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:	Tex19a (TEX19.1)
Alternative Name:	Tex19.1 (TEX19.1 Products)
Background:	Testis-expressed protein 19.1 (mTex19.1) (Testis-expressed protein 19A),FUNCTION: Required during spermatogenesis and placenta development, participating in the repression of retrotransposable elements and preventing their mobilization (PubMed:18802469, PubMed:21103378, PubMed:23364048, PubMed:23674551, PubMed:28254886). With its paralog, Tex19.2, collaborates with the Piwi-interacting RNA (piRNA) pathway, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins. Interacts with Piwi proteins and directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements (PubMed:28254886). Also during spermatogenesis, promotes, with UBR2, SPO11-dependent meiotic recombination (PubMed:28708824). Interacts with LINE-1 retrotransposon encoded LIRE1, stimulates LIRE1 polyubiquitination, mediated by UBR2, and degradation, inhibiting LINE-1 retrotransposon mobilization (PubMed:28806172). {ECO:0000269|PubMed:18802469, ECO:0000269|PubMed:21103378, ECO:0000269|PubMed:23364048,

Target Details

	ECO:0000269|PubMed:23674551, ECO:0000269|PubMed:28254886, ECO:0000269|PubMed:28708824, ECO:0000269|PubMed:28806172}.
Molecular Weight:	40.4 kDa
UniProt:	Q99MV2

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

