

Datasheet for ABIN7561375
RAI14 Protein (AA 1-979) (His tag)



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Overview

Quantity:	1 mg
Target:	RAI14
Protein Characteristics:	AA 1-979
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAI14 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Rai14 Protein expressed in mammalian cells.
Sequence:	<p>MKSLKAKFRK SDTNEWNKND DRLLQAVENG DAEKVASLLG KKGASATKHD SEGKTAFHLA</p> <p>AAKGHVECLK VMVTHGVDVT AQDSSGHSAL HVAAKNGHPE CIRKLLQYKS PAENIDNSGK</p> <p>TALHYAAAQG CLQAVQLLCE HKSPINLKDL DGNIPLLVAV QNGHSEACHF LLDHGADVNS</p> <p>RDKNGRRTALM LACETGSSNT VDALIKKGAD LSLVDSLGHN ALHYSKLSN AGIQNLLLSK</p> <p>ISQDADLKTP TKPKQHDQVS KISSERSGTP KKRKAPPPPI SPTQLSDVSS PRSITSTPLS</p> <p>GKESVFFAEA PFKAIEISSIQ ENKDRLSDST AGADSLDIS SEADQQDLLV LLQAKVASLT</p> <p>LHNKELQDKL QAKSPKDKEA EADLSFQSFH STQTDLAPSP GKASDIPSSD AKSSPPVEHP</p> <p>AGTSTTDNDV IIRQLQDSLH DLQKRLESSE AEKKQLQDEL QSQRDTLCL NNTSEISNGS</p> <p>DLSQKLKETQ SKYEEAMKEV LSVQKQMKLG LLSQESADGY SHLREAPADE DIDTLKQDLQ</p> <p>KAVEESARNK ERVRELETKL AEKEQAEATK PPAAECEELR SSYCSVIENM NKEKAFLFEK</p> <p>YQQAQEEIMK LKDTLKSQMP QEAPDDSGDM KEAMNRMIDE LNKQVSELSQ LYREAQAELE</p>

Product Details

DYRKRSLED AA EYIHKA EH ERLMHVSNLS RAKSEEALSE MKSQYSKVLN ELTQLKQLVD
AHKENSVSIT EHLQVITTLR TTAKEMEEKI SALTGHLANK EAEVAKLEKQ LAEEKAAVSD
AMVPKSSYEK LQASLESEVN ALATKLKESV REREKAHSEV AQVRSEVSQA RREKDNQITL
LKAKEQEVTA LVQKFQRAQE ELAGMRRCE TSSKLEEDKD EKINEMTREV LKLKEALNSL
SQLSYSTSSS KRQSQQLDLL QQQVKQLQNNQ LAECKKHHQE VISVYRMHLL YAVQGQMDDED
VQKVLKQILT MCKNQSQKK **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

RAI14

Alternative Name:

Rai14 ([RAI14 Products](#))

Background:

Ankyrin repeat and coiled-coil structure-containing protein) (Novel retinal pigment epithelial cell protein) (Retinoic acid-induced protein 14) (p125),FUNCTION: Plays a role in actin regulation at the ectoplasmic specialization, a type of cell junction specific to testis. Important for establishment of sperm polarity and normal spermatid adhesion. May also promote integrity of Sertoli cell tight junctions at the blood-testis barrier.

Target Details

	{ECO:0000250 UniProtKB:Q5U312}.
Molecular Weight:	108.9 kDa
UniProt:	Q9EP71

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 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