

Datasheet for ABIN7551160
RAI14 Protein (AA 1-980) (His tag)



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Overview

Quantity:	1 mg
Target:	RAI14
Protein Characteristics:	AA 1-980
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAI14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RAI14 Protein expressed in mammalian cells.
Sequence:	<p>MKSLKAKFRK SDTNEWNKND DRLLQAVENG DAEKVASLLG KKGASATKHD SEGKTAFHLA</p> <p>AAKGHVECLR VMITHGVDVT AQDTTGHSAL HLAAKNSHHE CIRKLLQSKC PAESVDSSGK</p> <p>TALHYAAAQG CLQAVQILCE HKSPINLKDL DGNIPLLLV QNGHSEICHF LLDHGADVNS</p> <p>RNKSGRTALM LACEIGSSNA VEALIKKGAD LNLVDSLGYN ALHYSKLSN AGIQSLLLSK</p> <p>ISQDADLKTP TKPKQHDQVS KISSERSGTP KKRKAPPPPI SPTQLSDVSS PRSITSTPLS</p> <p>GKESVFFAEP PFKAIESSIR ENKDRLSDST TGADSLDIS SEADQQDLLS LLQAKVASLT</p> <p>LHNKELQDKL QAKSPKEAEA DLSFDSYHST QTDLGPSLGK PGETSPPSK SSPSVLIHSL</p> <p>GKSTTDNDVR IQQLQEILQD LQKRLESSEA ERKQLQVELQ SRRALVCLN NTEISENSSD</p> <p>LSQKLKETQS KYEEAMKEVL SVQKQMKLGL VSPESMDNYS HFHEL RVTEE EINV LKQDLQ</p> <p>NALEESERNK EKVRELEEK VEREKGTVIK PPVEEYEEMK SSYCSVIENM NKEKAFLFEK</p> <p>YQEAQEEIMK LKDTLKSQMT QEASDEAEDM KEAMNRMIDE LNKQVSELSQ LYKEAQAELE</p> <p>DYRKRSLED VTAEYIHKAE HEKLMQLTNV SRAKAEDALS EMKSQYSKVL NELTQLKQLV</p>

Product Details

DAQKENSYSI TEHLQVITTL RTAAKEMEEK ISNLKEHLAS KEVEVAKLEK QLLEKAAMT
DAMVPRSSYE KLQSSLESEV SVLASKLKES VKEKEKVHSE VVQIRSEVSQ VKREKENIQT
LLKSKEQEVN ELLQKFQQAQ EELAEMKRYA ESSSKLEEDK DKKINEMSKE VTKLKEALNS
LSQLSYSTSS SKRQSQQLEA LQQQVKQLQN QLAECKKQHQ EVISVYRMHL LYAVQGQMDE
DVQKVLKQIL TMCKNQSQKK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RAI14
Alternative Name:	RAI14 (RAI14 Products)
Background:	Ankycorbin (Ankyrin repeat and coiled-coil structure-containing protein) (Novel retinal pigment epithelial cell protein) (Retinoic acid-induced protein 14),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

Target Details

	integrity of Sertoli cell tight junctions at the blood-testis barrier. {ECO:0000250 UniProtKB:Q5U312}.
Molecular Weight:	110.0 kDa
UniProt:	Q9P0K7

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