

Recombinant Human RAI14 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAI14-2249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAI14 MS Standard C13 and N15-labeled recombinant protein (NP_056392) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	110.1 kDa
AA Sequence	MKSLKAKFRKSDTNEWNKNDRLQAVENGDAEKVASLLGKKGASATKHDSEGKT AFHLAAAKGHVECLRMITHGVDTVTAQDTTGHSALHLAAKNSHHECIRKLLQSKCPA ESVDSSGKTALHYAAAQGCLQAVQILCEHKSPINLKDLDGNIPLLLAVQNGHSEICHF LLDHGADVNSRNKSGRTALMLACEIGSSNAVEALIKKGADLNLVDSLGYNALHYSKL SENAGIQSLLLSKISQDADLKTPTKPKQHDQVSKISSERSGTPKKRKAPPPPISTQL SDVSSPRISITSTPLSGKESVFFAEPPFKAIESSIRENKDRLSDSTTGADSLDISSEAD QQDLLSLLQAKVASLTLHNKELQDKLQAKSPKEAEADLSFDSYHSTQTDLGPSLGKP GETSPPDSKSSPSVLIHSLGKSTTDNDVRIQQQLQEILQDLQKRLESSEAERKQLQVEL QSRRAELVCLNTEISENSSDLSQKLKETQSKYEEAMKEVLSVQKQMKLGLVSPES

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MDNYSHFHELRVTEEEINV LKQDLQNALEESERNKEKVRELEEKLVEREKGTVIKPP
 VEEYEEMKSSYCSVIENMNKEKAFLFEKYQEAQEEIMKLKDTLKSQMTQEASDEAE
 DMKEAMNRMIDELNKQVSELSQLYKEAQAELEDYRKRKSLEDVTA EYIHKA EHEKL
 MQLTNVSRAKAEDALSEMKSQYSKVLNLTQLKQLVDAQKENSVSITEHLQVITTLR
 TAAKEMEEKISNLKEHLASKEVEVAKLEKQLLEEKAAMTDAMVPRSSYEKLQSSLES
 EVSVLASKLKESVKEKEKVHSEVVQIRSEVSQVKREKENIQTL LKSKEQEVNELLQKF
 QQAQEELAEMKRYSESSSKLEEDKDKKINEMSKEVTKLKEALNSLSQLSYSTSSSKR
 QSQQLEALQQQVKQLQNQLAECKKHQEVISVYRMHLLYAVQGGQMD EDVQKVLKQ
 ILMCKNQSQKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name RAI14 retinoic acid induced 14 [Homo sapiens (human)]

Official Symbol RAI14

Synonyms RAI14; retinoic acid induced 14; ankycorbin; DKFZp564G013; KIAA1334; NORPEG; novel retinal pigment epithelial; RAI13; retinoic acid-induced protein 14; novel retinal pigment epithelial cell protein; ankyrin repeat and coiled-coil structure-containing protein;

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Gene ID	26064
mRNA Refseq	NM_015577
Protein Refseq	NP_056392
MIM	606586
UniProt ID	Q9P0K7
SDS-PAGE	