

Product datasheet for PH327548

RAI14 (NM_001145520) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | RAI14 MS Standard C13 and N15-labeled recombinant protein (NP_001138992) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC227548 |
| Predicted MW: | 110.1 kDa |
| Protein Sequence: | >RC227548 protein sequence Red=Cloning site Green=Tags(s) |

MKSLKAKFRKSDTNEWNKNDRLQLAVENGDAEKVASLLGKKGASATKHDSEGKTAFLHAAAKGHVECLR
VMITHGVDVTAQDTTGHSAHLAAKNSHHECIRKLLQSKCPAESVDSSGKTALHYAAAQGCLQAVQILCE
HKSPINLKDLDGNIPLLLAVQNGHSEICHFLLDHGADVNSRNKSGRTALMLACEIGSSNAVEALIKKGAD
LNLVDSLGYNALHYSKLSENAGIQSLLLKISQDADLKTPKPKQHDQVSKISSERSGTPKPKRAPPPI
SPTQLSDVSSPRITSTPLSGKESVFFAEPPFKAEISSIRENKDRLSDSTTGADSLDISSEADQDQLLS
LLQAKVASLTLHNKELQDKLQAKSPKEAEADLFDSDYHSTQDLDGSLGKPGETSPDSSPSVLIHSL
GKSTTDNDVRIQQLQEILQDLQKRLESSEAEKQLQVELQSRRAELVCLNNTIESENSDLSQKLKETQS
KYEEAMKEVLSVQKQMKLGLVSPESMDNYSHFHEL RVTEEEINVLKQDLQNALEESERNKEKVRLEEKL
VEREKGTVIKPPVEEYEMKSSYCSVIENMNKEKAFLEKYQEAQEEIMKLDLTKSQMTQEASDEAEDM
KEAMNRMIDELNKQVSELSQLYKEAQAELEDYRKRKSLQEDVTAEYIHKAEHEKLMQLTNVSRKAEDALS
EMKSQYSKVLNLTQLKQLVDAQKENSVSITEHLQVITTLRTAAKEMEEKISNLKEHLASKEVEVAKLEK
QLLEEKAAMTDAMVPRSSYEKLSSESESVLASKLKEVKEKEKVHSEVVQIRSEVSQVKREKNIQT
LLKSKEQEVNELLQKFQQAQEELAEKRYSESSKLEEDKDKKINEMSKVTKLKEALNSLSQLSYSTSS
SKRQSQLEALQQQVKQLQNQLAECKKQHQEVI SVYRMHLLYAVQGMDEDVQKVLKQILTMCKNQSQKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|------------------|--|
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |



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RefSeq: [NP_001138992](#)

RefSeq Size: 5068

RefSeq ORF: 2940

Synonyms: NORPEG; RAI13

Locus ID: 26064

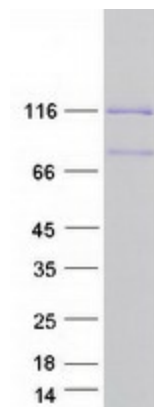
UniProt ID: [Q9P0K7](#)

Cytogenetics: 5p13.2

Summary: 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.

[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RAI14 protein (Cat# [TP327548]). The protein was produced from HEK293T cells transfected with RAI14 cDNA clone (Cat# [RC227548]) using MegaTran 2.0 (Cat# [TT210002]).