

Recombinant Human RAI14 protein, GST-tagged

Cat. No. RAI14-2164H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAI14 protein(1-347 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-347 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MKSLKAKFRKSDTNEWKNDDRLLQAVENGDAEKVASLLGKKGASATKHDSEGKT AFHLAAAKGHVECLRVMITHGVDVTAQDTTGHSALHLAAKNSHHECIRKLLQSKCPA ESVDSSGKTALHYAAAQGCLQAVQILCEHKSPINLKDLGDGNIPLLLAVQNGHSEICHF LLDHGADVNSRNKSGRTALMLACEIGSSNAVEALIKKGADLNLVDSLGYNALHYSKL SENAGIQSLLLSKISQDADLKTPTKPKQHDQVSKISSERSGTPKKRKAPPPISPTQL SDVSSPRSITSTPLSGKESVFFAEPFFKAEISSIRENKDRLSDSTTGADSLLDISSEAD QQD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	RAI14 retinoic acid induced 14 [Homo sapiens]
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;
Gene ID	26064
mRNA Refseq	NM_001145520
Protein Refseq	NP_001138992
MIM	606586
UniProt ID	Q9P0K7
SDS-PAGE	