

Datasheet for ABIN7560354

Retinoic Acid Induced 12 (RAI12) (AA 1-300) protein (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Retinoic Acid Induced 12 (RAI12)
Protein Characteristics:	AA 1-300
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Elp5 Protein expressed in mammalien cells.
Sequence:	<p>MLDSELLAIGG LVLLRDSVEW EGRSLLKALI KKSALRGEQV HVLGCEVSEE EFREGFDSDV NSRLVYHDLF RDPLNWSKPG EAVPEGPLKA LRSMCKRTDH GSVTIALDSL SWLLCHIPCV TLCQALHALS QQNGDPGDNS LVEQVRVLGL LHEELHGPGS MGALNLAHT EVTLSGKVDQ TSASILCRRP QQRATYQTWW FSVLPDFSLT LHEGLPLRSE LHPDHHTTQV DPTAHLTFNL HLSKKEREAR DSLTLPFQFS SEKQKALLHP VPSRTTGHIF YEPDAFDDVD PEDPDDDLDI</p> <p>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.</p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	Retinoic Acid Induced 12 (RAI12)
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Alternative Name:	Elp5 (RAI12 Products)
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Background:	Elongator complex protein 5 (Dermal papilla-derived protein 6 homolog) (Retinoic acid-induced protein 12),FUNCTION: Component of the elongator complex which is required for multiple tRNA modifications, including mcm5U (5-methoxycarbonylmethyl uridine), mcm5s2U (5-methoxycarbonylmethyl-2-thiouridine), and ncm5U (5-carbamoylmethyl uridine) (By similarity). The elongator complex catalyzes the formation of carboxymethyluridine in the wobble base at position 34 in tRNAs (By similarity). Involved in cell migration (PubMed:22854966). {ECO:0000250 UniProtKB:Q8TE02, ECO:0000269 PubMed:22854966}.
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Molecular Weight:	33.5 kDa
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UniProt:	Q99L85
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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.
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Application Details

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