

Datasheet for ABIN7549972

## OR10J5 Protein (AA 1-309) (His tag)



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### Overview

Quantity:	1 mg
Target:	OR10J5
Protein Characteristics:	AA 1-309
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OR10J5 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant OR10J5 Protein expressed in mammalian cells.
Sequence:	<p>MKRKNFTEVS EFIFLGFSSF GKHQITLFVV FLTVMYILTLV ANIIIVTIIC IDHLLHTPMY FFLSMLASSE  TVYTLVIVPR MLLSLIFHNQ PISLAGCATQ MFFFVILATN NCFLLTAMGY DRYVAICRPL  RYTVIMSKGL CAQLVCGSFG IGLTMAVLHV TAMFNLPFCG TVVDHFFCDI YPVMKLSCID  TTINEIINYG VSSFVIFVPI GLIFISYVLV ISSILQIASA EGRKKTFCATC VSHLTVVIVH CGCASIAYLK  PKSESSIEKD LVLSVITYII TPLLNPVVYS LRNKEVKDAL CRVVGRNIS <b>Sequence without tag.</b></p> <p><b>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.</b></p>
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:	Key Benefits:

## Product Details

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- 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).

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.

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

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Target:	OR10J5
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Alternative Name:	OR10J5 ( <a href="#">OR10J5 Products</a> )
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Background:	Olfactory receptor 10J5 (Olfactory receptor OR1-28),FUNCTION: Olfactory receptor. Activated by the synthetic floral odorant, lylal, and by alpha-cedrene, a sesquiterpene constituent of cedarwood oil. Its activation increases intracellular Ca(2+) (PubMed:25791473, PubMed:28842679). Acts as a key regulator of myogenesis through its actions on cell migration and adhesion by activating the Ca(2+)-dependent AKT signal transduction pathway (By similarity). Acts also as a regulator of angiogenesis (PubMed:25791473). Moreover, plays a role in the regulation of lipid accumulation in hepatocytes via the cAMP-PKA pathway (PubMed:28842679). May be involved in sperm chemotaxis and motility (By similarity). {ECO:0000250 UniProtKB:Q62007, ECO:0000269 PubMed:25791473, ECO:0000269 PubMed:28842679}.
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Molecular Weight:	34.4 kDa
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UniProt:	<a href="#">Q8NHC4</a>
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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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