# Recombinant OTOR protein (His tag)

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| **Catalog Number** | 551028 |
| **Synonyms** | Fibrocyte-derived protein; Melanoma inhibitory activity-like protein |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q9NRC9 |
| **Molecular Weight** | Predictes a molecular mass of 14.20 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 15 kDa band. |

## Product Information

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| **Sequence Region** | 18-128 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >86%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| **Endotoxin** | Not tested. |
| **Activity** | Not tested. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70℃ |
| **Protein Construction** | DNA encoding 18-128 aa (Q9NRC9) were fused with 6His tag. |

## Storage & Handling

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| **Reconstitution** | Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. |
| **Storage** | Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Shipping** | In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature.<br>Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise. |

## Description

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| **Description** | Recombinant Human Otoraplin (Fibrocyte-derived protein/Melanoma inhibitory activity-like protein) Fragment (aa 18-128) is a high-purity protein designed for functional studies. This 111-amino acid fragment fully encompasses the SH3 domain, making it an ideal tool for investigating domain-specific interactions and signaling pathways in research applications.<br>Otoraplin, encoded by the OTOR gene, is a secreted protein in humans, as indicated by its subcellular localization. While specific functional details are still being characterized, its classification as both a fibrocyte-derived protein and melanoma inhibitory activity-like protein suggests potential roles in cellular regulation and tissue microenvironment interactions. The secreted nature of the full-length protein implies it may function in extracellular signaling or intercellular communication processes. |