# Recombinant RTP5 protein (His tag)

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| **Catalog Number** | 545005 |
| **Synonyms** | 3CxxC-type zinc finger protein 5; CXXC-type zinc finger protein 11 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q14D33 |
| **Molecular Weight** | Predictes a molecular mass of 15.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band. |

## Product Information

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| **Sequence Region** | 1-126 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >90%, 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 1-126 aa (Q14D33) 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 Receptor-transporting protein 5 (RTP5) fragment (amino acids 1-126), a stable and soluble unit derived from human CXXC-type zinc finger protein 11. This fragment is optimized for structural and biochemical studies, offering researchers a reliable tool to investigate membrane-associated protein functions.<br>The full-length Receptor-transporting protein 5 (RTP5), also known as 3CxxC-type zinc finger protein 5 or CXXC-type zinc finger protein 11, is a single-pass membrane protein localized to the membrane in human cells. As a membrane-associated protein, it is implicated in cellular transport processes, though specific functional details are not fully characterized. Its membrane localization suggests potential roles in intracellular trafficking or signaling pathways, making it a relevant target for research in cellular biology and protein interaction studies. |