# Recombinant TPC2B protein (His tag)

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| **Catalog Number** | 537489 |
| **Synonyms** | MBP-1-interacting protein 2A; MIP-2A |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | P0DI82 |
| **Molecular Weight** | Predictes a molecular mass of 18.10 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 18 kDa band. |

## Product Information

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| **Sequence Region** | 1-140 |
| **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 1-140 aa (P0DI82) 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 Trafficking protein particle complex subunit 2B (TRAPPC2B) fragment (amino acids 1-140) from Homo sapiens, designed for structural and biochemical studies. This fragment represents a stable, soluble unit of the protein, ideal for investigating its role in transcriptional regulation and vesicular transport.<br>The full-length Trafficking protein particle complex subunit 2B (TRAPPC2B), also known as MBP-1-interacting protein 2A (MIP-2A), functions to prevent transcriptional repression and cell death induction by ENO1. It is implicated in vesicular transport from the endoplasmic reticulum to the Golgi apparatus. The protein localizes to the nucleus, perinuclear region of the cytoplasm, endoplasmic reticulum-Golgi intermediate compartment, and cytoplasmic granular structures, highlighting its involvement in key intracellular trafficking and regulatory processes. |