# Recombinant KRBA2 protein (His tag)

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| **Catalog Number** | 551717 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q6ZNG9 |
| **Molecular Weight** | Predictes a molecular mass of 42.88 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 45 kDa band. |

## Product Information

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| **Sequence Region** | 99-455 |
| **Form** | Lyophilized powder |
| **Formulation** | Lyophilized from sterile PBS, pH 7.4 |
| **Purity** | >85%, 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 99-455 aa (Q6ZNG9) 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** | This high-quality recombinant protein product features a 357-amino acid fragment (residues 99-455) of the human KRAB-A domain-containing protein 2 (KRBA2). The fragment is expertly engineered to fully encompass the Integrase catalytic domain (residues 247-415), providing researchers with a precise and functional tool for investigating the specific biochemical activities and molecular interactions of this critical domain.<br>The full-length KRAB-A domain-containing protein 2 (KRBA2), encoded by the gene KRBA2 in Homo sapiens, is a protein of significant research interest. While specific functional and subcellular localization data for the full-length protein is not detailed here, proteins containing KRAB-A domains are typically involved in transcriptional regulation, often functioning as repressors. The provided fragment focuses on the Integrase catalytic domain, suggesting a potential role for KRBA2 in nucleic acid binding or processing activities. This recombinant fragment offers a targeted approach to elucidate the specific contributions of this catalytic domain to the protein's overall biological function. |