# Recombinant VEZF1 protein (His tag)

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| **Catalog Number** | 540287 |
| **Synonyms** | Putative transcription factor DB1; Zinc finger protein 161 |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q14119 |
| **Molecular Weight** | Predictes a molecular mass of 25.92 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band. |

## Product Information

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| **Sequence Region** | 172-381 |
| **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 172-381 aa (Q14119) 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 VEZF1 Protein Fragment (172-381) - A highly stable and soluble fragment of Vascular Endothelial Zinc Finger 1, specifically engineered for structural and biochemical studies. This 210-amino acid fragment maintains key structural properties of the full-length protein, making it ideal for investigating transcription factor mechanisms and DNA-binding activities.<br>Vascular Endothelial Zinc Finger 1 (VEZF1), also known as Putative Transcription Factor DB1 or Zinc Finger Protein 161, is a nuclear-localized transcription factor that specifically binds to CT/GC-rich regions in gene promoters. The protein plays a critical role in transcriptional regulation, particularly mediating tax transactivation of interleukin-3 (IL-3) through its interaction with the IL-3 promoter. As a nuclear protein, VEZF1 functions within the nucleus where it participates in gene expression control mechanisms. The selected fragment (amino acids 172-381) represents a computationally optimized region that preserves structural integrity while enhancing experimental utility for research applications. |