Recombinant ONEC2 protein (His tag)

Catalog Number	544254
Synonyms	Hepatocyte nuclear factor 6-beta; HNF-6-beta; One cut homeobox 2; Transcription factor ONECUT-2; OC-2
Species	Human
Expression System	E. coli
Accession	O95948
Molecular Weight	Predictes a molecular mass of 21.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	332-504
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 332-504 aa (O95948) were fused with 6His tag.

Storage & Handling

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. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human ONECUT2 Protein Fragment (residues 332-504) offers a stable and soluble unit of the One cut domain family member 2 (Hepatocyte nuclear factor 6-beta), a key transcriptional activator. This 173-amino acid fragment is ideal for structural studies, biochemical assays, and functional investigations into liver gene regulation. The full-length ONECUT2 protein, also known as HNF-6-beta or Transcription factor ONECUT-2, functions as a transcriptional activator that regulates the expression of liver-specific genes, including HNF3B. It is localized to the nucleus, where it plays a critical role in hepatic development and gene expression pathways. This fragment was selected through computational analysis to ensure stability and solubility, enabling reliable experimental use in research on transcriptional mechanisms.