Recombinant WIT1 protein (His tag)

Catalog Number	550079
Synonyms	WIT-1; Wilms tumor-associated antisense RNA
Species	Human
Expression System	E. coli
Accession	Q06250
Molecular Weight	Predictes a molecular mass of 11.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	1-92
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 1-92 aa (Q06250) 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 Putative Wilms tumor upstream neighbor 1 gene protein (WIT-1) fragment (amino acids 1-92) - A highly stable and soluble protein fragment ideal for structural biology studies and biochemical characterization of this Wilms tumor-associated protein. The full-length Putative Wilms tumor upstream neighbor 1 gene protein (WIT-1), encoded by the WT1-AS gene, is associated with Wilms tumor development and functions as an antisense RNA. This protein represents an important target in cancer research due to its connection with renal malignancies. The recombinant fragment (amino acids 1-92) has been computationally designed to provide a stable, soluble unit that maintains structural integrity for detailed molecular studies.