Recombinant NUTM1 protein (His tag)

Catalog Number	543064
Synonyms	Nuclear protein in testis
Species	Human
Expression System	E. coli
Accession	Q86Y26
Molecular Weight	Predictes a molecular mass of 14.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	363-473
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 363-473 aa (Q86Y26) 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 NUT family member 1 (Nuclear protein in testis) fragment (363-473) is a high-purity, stable protein segment derived from human NUTM1, designed for structural and biochemical studies. This 111-amino acid fragment retains key solubility properties, enabling reliable investigation into proliferation regulation mechanisms. NUT family member 1 (NUTM1) plays a critical role in cellular proliferation by regulating TERT expression through modulation of SP1 binding to TERT promoter sites. The protein dynamically shuttles between the nucleus and cytoplasm, reflecting its involvement in nuclear-cytoplasmic signaling pathways relevant to cell growth control. This specific fragment was computationally selected to represent a stable, soluble structural unit, facilitating experimental analysis of NUTM1's functional domains.