Recombinant UE2NL protein (His tag)

Catalog Number	551968
Synonyms	Epididymis tissue protein Li 174
Species	Human
Expression System	E. coli
Accession	Q5JXB2
Molecular Weight	Predictes a molecular mass of 19.03 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-153
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 1-153 aa (Q5JXB2) 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	This high-purity recombinant protein is a fragment (amino acids 1-153) of the human Putative Ubiquitin-Conjugating Enzyme E2 N-like (UBE2NL), also known as Epididymis tissue protein Li 174. The fragment is specifically designed to contain the complete UBC core domain, making it an essential tool for researchers investigating the structure and biochemical function of this key ubiquitination enzyme. The full-length protein, encoded by the UBE2NL gene, is a putative member of the E2 ubiquitin-conjugating enzyme family. These enzymes play a central role in the ubiquitin-proteasome system, a critical pathway for targeted protein degradation and regulation of numerous cellular processes, including cell cycle progression, DNA repair, and signal transduction. While specific functional details and subcellular localization for this particular isoform are still being characterized, proteins in this family are fundamental to maintaining cellular homeostasis. Research on this fragment will contribute to a deeper understanding of its specific role within the ubiquitination cascade.