Recombinant UBTD2 protein (His tag)

Catalog Number	548802
Synonyms	Dendritic cell-derived ubiquitin-like protein; DC-UbP; Ubiquitin-like protein SB72
Species	Human
Expression System	E. coli
Accession	Q8WUN7
Molecular Weight	Predictes a molecular mass of 27.84 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	1-234
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 1-234 aa (Q8WUN7) 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 Ubiquitin domain-containing protein 2 (UBTD2) fragment (amino acids 1-234) from Homo sapiens, encompassing the complete Ubiquitin-like domain. This high-purity protein is an essential tool for investigating domain-specific functions in ubiquitin-related pathways, supporting research in cellular regulation and protein interaction studies. Ubiquitin domain-containing protein 2, also known as dendritic cell-derived ubiquitin-like protein (DC-UbP), is encoded by the UBTD2 gene in humans. The protein is localized to the cytoplasm, as evidenced by experimental data (ECO:0000269|PubMed:12507522), suggesting its involvement in intracellular signaling or regulatory processes. The full-length protein's ubiquitin-like domain implies potential roles in protein modification, degradation, or interaction networks, which are critical for cellular homeostasis. The recombinant fragment (1-234) retains this domain, enabling focused studies on its mechanistic contributions to ubiquitin-mediated functions.