Recombinant BRDOS protein (His tag)

Catalog Number	551599
Synonyms	BRD3 opposite strand protein; Long intergenic non-protein coding RNA 94; Non-protein coding RNA 94
Species	Human
Expression System	E. coli
Accession	A0A1B0GUI7
Molecular Weight	Predictes a molecular mass of 11.40 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	1-84
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 1-84 aa (A0A1B0GUI7) 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 product is a high-quality recombinant protein fragment of the human BRD3OS (BRD3 opposite strand protein), also known as Long Intergenic Non-Protein Coding RNA 94. The fragment corresponds to amino acids 1-84 and has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology and biochemical characterization studies. The full-length BRD3OS is a long non-coding RNA (lncRNA) transcribed from the opposite strand of the BRD3 gene locus in humans. While its precise molecular function and subcellular localization are not yet fully characterized, lncRNAs in this genomic context are often involved in the epigenetic regulation of neighboring genes, transcriptional modulation, and chromatin remodeling. Research on BRD3OS may contribute to understanding gene regulatory networks and non-coding RNA biology.