Recombinant DRIP1 protein (His tag)

Catalog Number	551379
Species	Human
Expression System	E. coli
Accession	Q4W4Y0
Molecular Weight	Predictes a molecular mass of 37.96 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 38 kDa band.

Product Information

Sequence Region	1-310
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 1-310 aa (Q4W4Y0) 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 human Dopamine receptor-interacting protein 1 (DORIP1), encompassing amino acids 1-310. This fragment was computationally designed for optimal stability and solubility, making it an ideal reagent for structural studies and biochemical assays investigating dopamine receptor signaling pathways. Dopamine receptor-interacting protein 1 (encoded by the DORIP1 gene) is implicated as a potential regulator within the dopamine receptor signaling pathway, a critical system governing neurotransmission, motor control, reward, and motivation. While its precise molecular mechanisms and subcellular localization are still being characterized, this protein represents a component of interest for understanding dopaminergic signaling and related neurological processes. The provided fragment corresponds to a predicted stable structural unit of the protein, facilitating experimental analysis of its function.