Recombinant CF089 protein (His tag)

Catalog Number	545237
Synonyms	Amfion
Species	Human
Expression System	E. coli
Accession	Q6UWU4
Molecular Weight	Predictes a molecular mass of 24.42 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 24 kDa band.

Product Information

Sequence Region	151-347
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 151-347 aa (Q6UWU4) 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 Human Bombesin receptor-activated protein C6orf89 (Amfion) fragment (aa 151-347) is a high-quality protein product designed for structural and biochemical research. This 197-amino acid fragment, derived from the C6orf89 gene, represents a stable and soluble unit optimized for experimental applications, supporting studies on histone deacetylase (HDAC) regulation and cellular processes. The full-length Bombesin receptor-activated protein C6orf89 (Amfion) in Homo sapiens functions as a histone deacetylase (HDAC) enhancer, contributing to epigenetic regulation. It is implicated in cell cycle progression and wound repair in bronchial epithelial cells. Subcellular localization varies by isoform: Isoforms 1 and 2 are type II membrane proteins associated with the Golgi apparatus and midbody, while Isoform 3 localizes to the cytoplasm, nucleus, and nucleolus, with retention in nucleolar organizer regions during mitosis. This protein's involvement in HDAC activity and cellular repair underscores its relevance in developmental and disease research.