Recombinant TADA3 protein (His tag)

Catalog Number	546549
Synonyms	ADA3 homolog; hADA3; STAF54; Transcriptional adapter 3-like; ADA3-like protein
Species	Human
Expression System	E. coli
Accession	O75528
Molecular Weight	Predictes a molecular mass of 16.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	146-274
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 146-274 aa (O75528) 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 Transcriptional Adapter 3 (hADA3) fragment (residues 146-274) is a highly stable and soluble protein unit ideal for structural biology and biochemical studies. This fragment, derived from the TADA3 gene, retains key properties for investigating transcriptional coactivation mechanisms. Full-length hADA3 functions as an essential component of the PCAF and ATAC histone acetyltransferase complexes, which acetylate histones H3 and H4 in nucleosomal contexts. It serves as a critical coactivator for p53/TP53-dependent transcriptional activation and is considered part of the human equivalent of the yeast SAGA complex. The protein is localized exclusively in the nucleus, where it participates in chromatin remodeling and gene regulation pathways.