Recombinant TAFA3 protein (His tag)

Catalog Number	550163
Species	Human
Expression System	E. coli
Accession	Q7Z5A8
Molecular Weight	Predictes a molecular mass of 12.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 13 kDa band.

Product Information

Sequence Region	31-133
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 31-133 aa (Q7Z5A8) 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 Chemokine-like protein TAFA-3 (fragment 31-133) is a high-purity, soluble protein fragment designed for structural and biochemical studies. This 103-amino acid fragment retains key functional regions, offering researchers a stable tool to investigate TAFA-3's role in microglia polarization regulation. The full-length Chemokine-like protein TAFA-3, encoded by the TAFA3 gene in Homo sapiens, plays a critical role in regulating microglia polarization, a process essential for neuroimmune responses. As a secreted protein, TAFA-3 functions in extracellular environments, facilitating intercellular communication. The selected fragment (amino acids 31-133) represents a computationally optimized, stable domain that maintains structural integrity for experimental applications, supporting research into neuroinflammatory mechanisms and immune modulation.