Recombinant BCAS4 protein (His tag)

Catalog Number	549850
Species	Human
Expression System	E. coli
Accession	Q8TDM0
Molecular Weight	Predictes a molecular mass of 18.52 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-152
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 1-152 aa (Q8TDM0) 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 recombinant protein represents a stable, soluble fragment (amino acids 1-152) of human Breast carcinoma-amplified sequence 4 (BCAS4), specifically engineered for structural and biochemical research applications. The fragment was computationally optimized to ensure high stability and solubility, making it ideal for experimental studies requiring reliable protein performance. Breast carcinoma-amplified sequence 4 (BCAS4) is a human protein localized to the cytoplasm, as indicated by its subcellular location. While specific functional details are not provided, proteins with cytoplasmic localization often play roles in intracellular signaling, metabolism, or structural organization. The selection of this 152-amino acid fragment was based on structural predictions to create a representative unit suitable for investigating the protein's properties and interactions in research settings.