Recombinant LRAT2 protein (His tag)

Catalog Number	549334
Synonyms	Breast cancer membrane protein 101; LRAT domain-containing 2; Protein FAM84B; Protein NSE2
Species	Human
Expression System	E. coli
Accession	Q96KN1
Molecular Weight	Predictes a molecular mass of 24.59 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 25 kDa band.

Product Information

Sequence Region	74-272
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 74-272 aa (Q96KN1) 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 LRATD2 Fragment (aa 74-272) is a high-purity protein designed for functional studies of the LRAT domain. This 199-amino acid fragment encompasses the complete LRAT domain (aa 122-217), providing researchers with a targeted tool to investigate domain-specific mechanisms in breast cancer and related cellular processes. LRATD2 (also known as Breast cancer membrane protein 101, FAM84B, or NSE2) is a human protein encoded by the LRATD2 gene. While specific functional details and subcellular localization information require further characterization, this protein has been identified in the context of breast cancer research. The provided fragment containing the LRAT domain enables focused investigation into the structural and functional properties of this specific region within the full-length protein.