Recombinant S22AA protein (His tag)

Catalog Number	550125
Synonyms	Organic anion transporter 5
Species	Human
Expression System	E. coli
Accession	Q63ZE4
Molecular Weight	Predictes a molecular mass of 14.04 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	37-145
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 37-145 aa (Q63ZE4) 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 SLC22A10 (Organic Anion Transporter 5) Fragment (residues 37-145) is a high-purity, soluble protein fragment designed for structural and biochemical studies. This 109-amino acid fragment was computationally selected for stability and solubility, offering researchers a reliable tool to investigate the molecular mechanisms of this key membrane transporter. Solute carrier family 22 member 10 (SLC22A10), also known as Organic Anion Transporter 5, is a multi-pass membrane protein localized to cellular membranes. As a member of the solute carrier family, it plays a crucial role in transporting organic anions across biological membranes, facilitating the movement of various endogenous compounds and xenobiotics. The full-length protein's membrane localization suggests its involvement in critical cellular transport processes, making it an important target for pharmacological and physiological research.