Recombinant P3 protein (His tag)

Catalog Number	550067
Synonyms	Solute carrier family 10 member 3
Species	Human
Expression System	E. coli
Accession	P09131
Molecular Weight	Predictes a molecular mass of 18.97 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 19 kDa band.

Product Information

Sequence Region	64-224
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 64-224 aa (P09131) 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 P3 protein (Solute carrier family 10 member 3), corresponding to amino acids 64-224 of the human SLC10A3 gene, is a stable and soluble fragment designed for structural and biochemical studies. This product enables researchers to investigate the conserved housekeeping functions of this multi-pass membrane protein in a manageable format. The full-length P3 protein, encoded by the SLC10A3 gene in Homo sapiens, is believed to perform essential housekeeping functions, as indicated by its ubiquitous expression and high sequence conservation across distant animal species. It is localized to the membrane and functions as a multi-pass membrane protein, suggesting a role in transport or signaling processes critical for cellular maintenance. The selected fragment (64-224) represents a stable, soluble unit optimized for experimental applications, facilitating research into the protein's fundamental biological roles without the complexities of the full membrane-bound structure.