Recombinant CTL3 protein (His tag)

Catalog Number	540741
Synonyms	Solute carrier family 44 member 3
Species	Human
Expression System	E. coli
Accession	Q8N4M1
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	55-212
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 55-212 aa (Q8N4M1) 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 Choline transporter-like protein 3 (SLC44A3) fragment (aa 55-212) - a high-quality, stable protein preparation ideal for structural studies and biochemical characterization. This 158-amino acid fragment represents a computationally optimized soluble domain of the membrane protein, providing researchers with a reliable tool for investigating choline transport mechanisms. Choline transporter-like protein 3, encoded by the SLC44A3 gene, is a multi-pass membrane protein localized to cellular membranes. As a member of the solute carrier family 44, this transporter plays a crucial role in choline uptake and transport processes. The full-length protein functions as an integral membrane component, with its membrane-spanning architecture essential for its transport activity. This recombinant fragment provides researchers with a stable, soluble unit for studying the protein's structural features and functional domains without the complications associated with full-length membrane protein expression and purification.