Recombinant SO5A1 protein (His tag)

Catalog Number	549091
Synonyms	Organic anion transporter polypeptide-related protein 4; OATP-RP4; OATPRP4; Solute carrier family 21 member 15
Species	Human
Expression System	E. coli
Accession	Q9H2Y9
Molecular Weight	Predictes a molecular mass of 15.67 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 16 kDa band.

Product Information

Sequence Region	522-651
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 522-651 aa (Q9H2Y9) 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 SLCO5A1 Protein Fragment (aa 522-651) - A high-purity protein fragment specifically designed to encompass the Kazal-like functional domain (aa 549-603) of the Solute Carrier Organic Anion Transporter Family Member 5A1 (OATP-RP4). This fragment serves as an ideal research tool for investigating domain-specific functions in membrane transport mechanisms. The full-length Solute Carrier Organic Anion Transporter Family Member 5A1 (SLCO5A1/OATP-RP4) is a multi-pass membrane protein localized to the cell membrane, functioning as part of the organic anion transporter polypeptide family. As a member of the solute carrier family 21, this transporter plays a crucial role in cellular uptake and transport of various organic anions across biological membranes. The specific fragment (aa 522-651) containing the Kazal-like domain provides researchers with a targeted tool to study domain-specific interactions and functional mechanisms without the complexity of the full multi-pass membrane protein structure.