Recombinant OSCP1 protein (His tag)

Catalog Number	545557
Synonyms	hOSCP1; Organic solute transport protein 1; Oxidored-nitro domain-containing protein 1
Species	Human
Expression System	E. coli
Accession	Q8WVF1
Molecular Weight	Predictes a molecular mass of 32.04 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 32 kDa band.

Product Information

Sequence Region	1-262
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 1-262 aa (Q8WVF1) 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 Protein OSCP1 Fragment (aa 1-262) is a high-quality, soluble protein designed for structural and biochemical studies. This fragment represents a stable and functional unit of OSCP1, which is implicated in drug clearance processes, making it an essential tool for research in pharmacology and toxicology. Protein OSCP1 (Organic solute transport protein 1) is encoded by the OSCP1 gene in Homo sapiens and may play a role in drug clearance, particularly in the placenta, as suggested by scientific evidence (PubMed:16006562). It is localized to the basal cell membrane of syncytiotrophoblasts in the placenta, indicating its involvement in transport functions at this critical maternal-fetal interface. This recombinant fragment (residues 1-262) was selected based on computational predictions to ensure stability and solubility, enabling reliable experimental applications without the complexities of the full-length protein.