Recombinant ARSJ protein (His tag)

Catalog Number	549223
Synonyms	ASJ
Species	Human
Expression System	E. coli
Accession	Q5FYB0
Molecular Weight	Predictes a molecular mass of 56.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 57 kDa band.

Product Information

Sequence Region	74-557
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 74-557 aa (Q5FYB0) 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 Arylsulfatase J (ASJ) (EC 3.1.6.-) fragment (residues 74-557) from Homo sapiens, designed as a stable and soluble unit for structural and biochemical studies. This 484-amino acid fragment is ideal for investigating enzyme activity and molecular interactions in research applications. Arylsulfatase J (ASJ), encoded by the gene ARSJ, is a human enzyme classified under EC 3.1.6.-. The protein is secreted, as indicated by its subcellular location, suggesting potential roles in extracellular processes. While a detailed functional summary is not provided, ASJ belongs to the arylsulfatase family, which typically hydrolyzes sulfate esters, and its secreted nature implies involvement in modifying extracellular substrates or signaling pathways.