Recombinant DSEL protein (His tag)

Catalog Number	551201
Species	Human
Expression System	E. coli
Accession	Q8IZU8
Molecular Weight	Predictes a molecular mass of 28.75 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	978-1212
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 978-1212 aa (Q8IZU8) 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 Dermatan-sulfate epimerase-like protein (EC 5.1.-.-) fragment (residues 978-1212) is a high-purity, soluble protein designed for structural and biochemical studies, offering a stable unit for investigating epimerase-related mechanisms. The full-length Dermatan-sulfate epimerase-like protein, encoded by the DSEL gene in Homo sapiens, is a multi-pass membrane protein localized to the membrane. While a detailed functional summary is not provided, its classification as an epimerase-like protein suggests involvement in carbohydrate modification processes, potentially impacting extracellular matrix organization or signaling pathways. This recombinant fragment enables focused research on its soluble regions, facilitating experimental approaches without membrane-associated complexities.