Recombinant AMY2B protein (His tag)

Catalog Number	548930
Synonyms	1,4-alpha-D-glucan glucanohydrolase 2B; Carcinoid alpha-amylase
Species	Human
Expression System	E. coli
Accession	P19961
Molecular Weight	Predictes a molecular mass of 57.55 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 58 kDa band.

Product Information

Sequence Region	16-511
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 16-511 aa (P19961) 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 Alpha-amylase 2B Fragment (residues 16-511) is a high-purity protein designed for structural and biochemical studies. This 496-amino acid fragment, representing a stable and soluble unit of the enzyme, retains key functional regions and is ideal for investigating amylase activity and mechanisms. Alpha-amylase 2B (AMY2B) is a secreted enzyme in humans that catalyzes the hydrolysis of alpha-1,4-glycosidic linkages in starch and glycogen, playing a critical role in carbohydrate digestion. As a secreted protein, it functions extracellularly, and its recombinant fragment (residues 16-511) enables focused research on enzymatic properties without full-length complexity.