Recombinant ASA2B protein (His tag)

Catalog Number	550858
Synonyms	ASAH2-like protein; Putative inactive N-acylsphingosine amidohydrolase 2B; Putative inactive non-lysosomal ceramidase B
Species	Human
Expression System	E. coli
Accession	P0C7U1
Molecular Weight	Predictes a molecular mass of 20.68 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	1-165
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 1-165 aa (P0C7U1) 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 ASAH2B protein fragment (residues 1-165), representing a stable and soluble unit of the putative inactive neutral ceramidase B. This fragment is ideal for structural studies and biochemical assays, offering a reliable tool for investigating ceramidase-related mechanisms. The full-length ASAH2B protein, also known as putative inactive neutral ceramidase B, is a member of the ceramidase family implicated in sphingolipid metabolism. While specific functional and subcellular localization details are not fully characterized, it is hypothesized to play a regulatory or modulatory role in ceramide signaling pathways due to its sequence homology with active ceramidases. This recombinant fragment provides a focused approach to explore its structural properties and potential interactions.