

Certificate of Analysis

Recombinant SIG16 protein (His tag)

Catalog Number: 548885

Product Information

Batch No.	NP456462
Species	Human
Source	E. coli
Tag	C-His tag
Accession	A6NMB1
Molecular Weight	Predictes a molecular mass of 48.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 48 kDa band.

Analytical Data

Test	Specifications	Results
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.	85%
Endotoxin Level	-	Not Tested
Molecular Weight		Approximately 48.06 kDa band in reducing SDS-PAGE.
Appearance		White lyophilized powder

Preparation and Storage

Formulation	Lyophilized from sterile 25 mM HEPES, 150 mM NaCl, 1 mM DTT, pH 8.0
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. Protein aggregation is minimized by reconstitution at concentrations below 0.15 µg/µL and the inclusion of a reducing agent during electrophoresis.
Storage & Stability	Samples are stable for up to twelve months from date of receipt at -70°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	Ambient temperature

This certificate summarizes the QC information recorded for the batch listed above.

QC Signature



QC Date: 2026-05-21

Products are for research use only and are not intended for diagnostic or therapeutic use.