Recombinant SIG15 protein (His tag)

Catalog Number	545248
Synonyms	Siglec-15; CD33 antigen-like 3
Species	Human
Expression System	E. coli
Accession	Q6ZMC9
Molecular Weight	Predictes a molecular mass of 25.76 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 26 kDa band.

Product Information

Sequence Region	42-263
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 42-263 aa (Q6ZMC9) 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 Sialic acid-binding Ig-like lectin 15 (Siglec-15) Fragment (aa 42-263) - A high-purity protein fragment containing the complete Ig-like C2-type functional domain, ideal for studying sialic acid binding mechanisms and immune regulation research. Sialic acid-binding Ig-like lectin 15 (Siglec-15), also known as CD33 antigen-like 3, is a membrane-bound protein that functions as a receptor binding sialylated glycoproteins. As a single-pass type I membrane protein localized to the cell surface, Siglec-15 plays important roles in cell-cell recognition and signaling through its interaction with sialic acid-containing glycoconjugates. The protein's ability to recognize and bind sialylated structures makes it significant in various biological processes including immune regulation and cellular communication.