

Synonym

SIGLEC10,MGC126774,PRO940,Siglec10,SLG2

Source

Mouse Siglec-10, His Tag (SI0-M52H7) is expressed from human 293 cells (HEK293). It contains AA Met 18 - Lys 543 (Accession # Q80ZE3-1).

Predicted N-terminus: Met 18

Molecular Characterization

Siglec-10(Met 18 - Lys 543)
Q80ZE3-1 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 60.7 kDa. The protein migrates as 80-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 25 mM MES, 150 mM NaCl, pH5.5. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

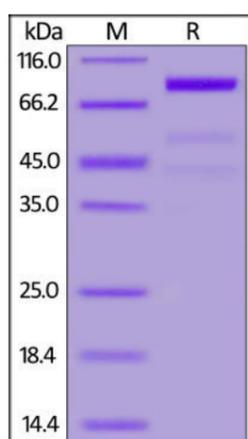
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Mouse Siglec-10, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Background

The siglecs (sialic acid-binding Ig-like lectins) are a distinct subset of the Ig superfamily with adhesion-molecule-like structure. We describe here a novel member of the siglec protein family that shares a similar structure including five Ig-like domains, a transmembrane domain, and a cytoplasmic tail containing two ITIM-signaling motifs. Siglec-10 was identified through database mining of an asthmatic eosinophil EST library. The Siglec-10-VAP-1 interaction seems to mediate lymphocyte adhesion to endothelium and has the potential to modify the inflammatory microenvironment via the enzymatic end products.

References

Mouse Siglec-10 Protein, His Tag

Catalog # SI0-M52H7

- (1) [Whitney G., et al. 2001, Eur J Biochem., 268\(23\), 6083-96.](#)
- (2) [Kivi E., et al. 2009, Blood., 114\(26\), 5385-92.](#)
- (3) [Munday J., et al. 2001, Biochem J., 355\(Pt 2\), 489-97.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.