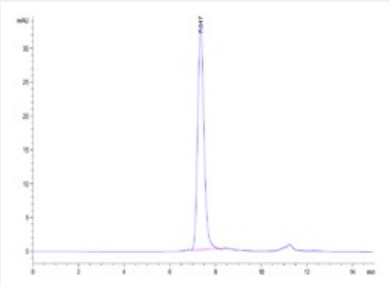
Bioactive HuPro®

FLNA (Human) Recombinant Protein

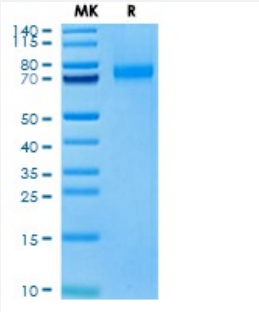
Catalog # P9768 Size 100 ug

Applications



SEC-HPLC

The purity of Biotinylated Human Siglec-10 (R119A) is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Biotinylated Human Siglec-10 (R119A) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human FLNA (Q96LC7-1, Met17-Thr546) partial recombinant protein with His-Avi tag at C-Terminus expressed in HEK293 cells.
Sequence	Met17-Thr546
Host	Human
Theoretical MW (kDa)	62.64
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system

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Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Biotinylated Human Siglec-10 (R119A) is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Biotinylated Human Siglec-10 (R119A) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at -80°C for 12 Month. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay
- SDS-PAGE

Gene Info — FLNA

Entrez GeneID	2316
Protein Accession#	Q96LC7-1
Gene Name	FLNA
Gene Alias	ABP-280, ABPX, DKFZp434P031, FLN, FLN1, FMD, MNS, NHBP, OPD, OPD1, OPD2
Gene Description	filamin A, alpha (actin binding protein 280)
Omim ID	300017 300049 300537 304120 309350 311300
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and lin ks actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, tra nsmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodig ital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript vari ants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000024320|actin-binding protein 280|filamin 1|filamin A, alpha

Pathway

- Focal adhesion
- MAPK signaling pathway

Disease

- Anorexia Nervosa
- Bulimia
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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