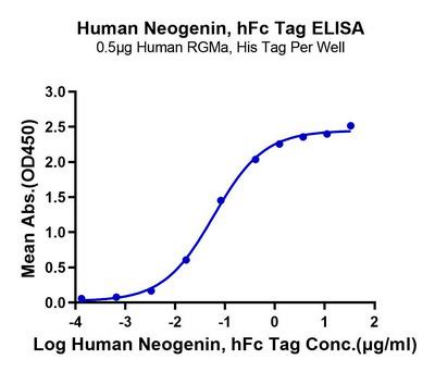
Bioactive HuPro®

NEO1 (Human) Recombinant Protein

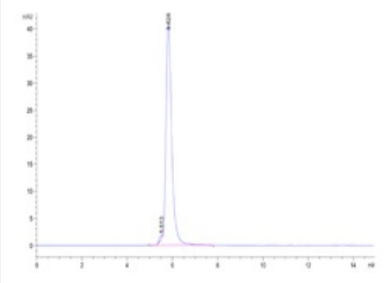
Catalog # P9701 Size 100 ug

Applications



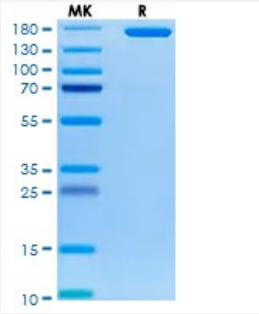
Enzyme-linked Immunoabsorbent Assay

Immobilized Human RGMa, His Tag at 5 ug/mL (100 uL/well) on the plate. Dose response curve for Human Neogenin, hFc Tag with the EC50 of 59.2 ng/mL determined by ELISA.



SEC-HPLC

The purity of Human Neogenin is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human Neogenin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human NEO1 (Q92859-1, 34 a.a. - 1105 a.a.) partial recombinant protein with hFc tag at C-terminus expressed in HEK293 cells.
Sequence	ARSGSAPQSPGASIRTFTPFYFLVEPVDTLSVRGSSVILNCSAYSEPSPKIEWKKDGTFLNLVSDD RRQLLPDGSLFISNVVHSKHNKPDEGYYQCVATVESLGTIISRTAKLIVAGLPRFTSQPEPSSVYAG NNAILNCEVNADLVPFVRWEQNRQPLLLDDRVIKLPSGMLVISNATEGDGGLYRCVVESGGPPKY SDEVELKVLPDPEVISDLVFLKQPSPLVRVIGQDVVLPCVASGLPTPTIKWMKNEEALDTESSER LVLLAGGSLEISDVTEDDAGTYFCIADNGNETIEAQAELTVQAQPEFLKQPTNIYAHESMDIVFECE VTGKPTPTVKWVKNGDMVIPSDYFKIVKEHNLQVLGLVKSDEGFYQCIAENDVGNAQAGAQLIILE HAPATTGPLPSAPRDVVASLVSTRFIKLTWRTPASDPHGDNLTYSVFYTKEGIARERVENTSHPGE MQVTIQNLMPATVYIFRVMAQNKHGSGESSAPLRVETQPEVQLPGPAPNLRAYAASPTSITVTWE TPVSGNGEIQNYKLYYMEKGTDKEQDVDVSSHSYTINGLKKYTEYSFRVVAYNKHGPGVSTPDVA VRTLSDVPSAAPQNLSLEVRNSKSIMIHWQPPAPATQNGQITGYKIRYRKASRKSDVTETLVSGTQ LSQLIEGLDRGTEYNFRVAALTINGTGPATDWLSAETFESDLDETRVPEVPSSLHVRPLVTSIVVS WTPPENQNIVVRGYAIGYGIGSPHAQTIKVDYKQRYYTIENLDPSSHYVITLKAFNNVGEGIPLYESAV TRPHTDTSEVDLFVINAPYTPVPDPTPMMPPVGVQASILSHDTIRITWADNSLPKHQKITDSRYYTV RWKTNIPANTKYKNANATTLSYLVTGLKPNTLYEFSVMVTKGRRSSTWSMTAHGTTFELVPTSPPK DVTVVSKEGKPKTIIVNWQPPSEANGKITGYIIYYSTDVNAEIHDWVIEPVVGNRLTHQIQELTLDTPY YFKIQARNSKGMGPMSEAVQFRTPKADSSDKMPNDQASGSGGKGSRLPDLGSDYKPPMSGSN SPHGSPTSPLDSNML
Host	Human
Theoretical MW (kDa)	144.37
Form	Liquid
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 59.2 ng/mL, messured by ELISA at 5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human Neogenin is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human Neogenin 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	In PBS pH 7.4
Storage Instruction	Store at -80°C for 12 Month. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

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Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human RGMa, His Tag at 5 ug/mL (100 uL/well) on the plate. Dose response curve for Human Neogenin, hFc Tag with the EC50 of 59.2 ng/mL determined by ELISA.
- SDS-PAGE

Gene Info — NEO1

Entrez GeneID	4756
Protein Accession#	Q92859-1
Gene Name	NEO1
Gene Alias	DKFZp547A066, DKFZp547B146, HsT17534, IGDCC2, NGN
Gene Description	neogenin homolog 1 (chicken)
Omim ID	601907
Gene Ontology	Hyperlink
Gene Summary	DCC subclass
Other Designations	immunoglobulin superfamily, DCC subclass, member 2|neogenin homolog 1

Pathway

- Cell adhesion molecules (CAMs)

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