

Neogenin Protein, Human (HEK293, hFc)

Cat. No.:	HY-P701081
Synonyms:	NEO1; IGDCC2; NGN; NEO; neogenin 1;
Species:	Human
Source:	HEK293
Accession:	Q92859-1 (A34-L1105)
Gene ID:	/
Molecular Weight:	150-180 kDa

PROPERTIES

Biological Activity	Immobilized Human RGMa, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human Neogenin, hFc Tag with the EC ₅₀ of 0.45µg/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Neogenin, a versatile cell surface receptor, orchestrates diverse developmental processes by regulating cell adhesion. Its influence spans neural tube and mammary gland formation, myogenesis, and angiogenesis. Functioning as a receptor for members of the BMP, netrin, and repulsive guidance molecule (RGM) families, Neogenin engages in complex interactions pivotal to cellular responses. Notably, interactions with netrin lead to chemoattractive axon guidance responses and cell-cell adhesion, while engagements with RGMa and RGMb induce chemorepulsive responses. The receptor also interacts with MYO10 and forms associations with specific BMPs, including BMP2, BMP4, BMP6, and BMP7. This comprehensive network of interactions underscores Neogenin's central role in regulating cell adhesion across a spectrum of crucial developmental contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

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