

Recombinant Rat NEO1 Protein (1096-1377 aa), His-tagged

Cat. No. NEO1-2439R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat NEO1 Protein (1096-1377 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Rat
Source	Yeast
ProteinLength	1096-1377 aa
Description	Multi-functional cell surface receptor regulating cell adhesion in many diverse developmental processes, including neural tube and mammary gland formation, myogenesis and angiogenesis. Receptor for members of the BMP, netrin, and repulsive guidance molecule (RGM) families. Netrin-Neogenin interactions result in a chemoattractive axon guidance response and cell-cell adhesion, the interaction between NEO1/Neogenin and RGMa and RGMb induces a chemorepulsive response.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	33.0 kDa
AA Sequence	CTRRTTSHQKKKRAACKSVNGSHKYKGNCKDVKPPDLWIHHERLELKPIDKSPDPN PVMTDTPIPRNSQDITPVDNSMDSNIHQRRNSYRGHESEDSMSTLAGRRGMRPKM MMPFDSQPPQQSVRNTPTDTPASSSQTCCTDHQDPEGATSSSYLASSQEEDS

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GQSLPTAHVRPSHPLKSFAVPAIPPPGPPIYDPALPSTPLLSQQALNHHLSVKTASI
GTLGRSRPPMPVVVPSAPEVQEATRMLEDSESSYEPDELTKEMAHLEGLMKDLNAI
TTA

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Neo1 neogenin 1 \[Rattus norvegicus \]](#)

Official Symbol [NEO1](#)

Synonyms NEO1; neogenin 1; neogenin;

Gene ID [81735](#)

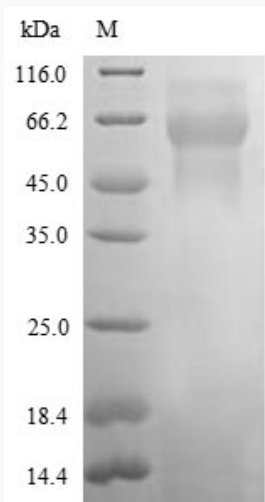
mRNA Refseq [NM_001191881](#)

UniProt ID [P97603](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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