

Recombinant Human NEO1 Protein, His-tagged

Cat. No. NEO1-2486H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEO1 Protein (Pro52-Ile426) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro52-Ile426
Description	This gene encodes a cell surface protein that is a member of the immunoglobulin superfamily. The encoded protein consists of four N-terminal immunoglobulin-like domains, six fibronectin type III domains, a transmembrane domain and a C-terminal internal domain that shares homology with the tumor suppressor candidate gene DCC. This protein may be involved in cell growth and differentiation and in cell-cell adhesion. Defects in this gene are associated with cell proliferation in certain cancers. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44.8 kDa Accurate Molecular Mass: 50 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	NEO1 neogenin 1 [Homo sapiens (human)]
Official Symbol	NEO1
Synonyms	NEO1; neogenin 1; neogenin (chicken) homolog 1; neogenin; HsT17534; IGDCC2; immunoglobulin superfamily; DCC subclass; member 2; NGN; neogenin homolog 1; immunoglobulin superfamily DCC subclass member 2; DKFZp547A066; DKFZp547B146;
Gene ID	4756
mRNA Refseq	NM_001172623

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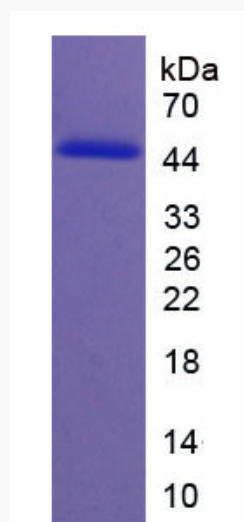
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Protein Refseq NP_001166094

MIM 601907

UniProt ID Q92859



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