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## Datasheet for ABIN7317632 **NEGR1 Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	NEGR1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NEGR1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human NEGR1 Protein (His Tag)
Sequence:	Met 1-Gly 324
Characteristics:	A DNA sequence encoding the human NEGR1 (NP_776169.2) (Met 1-Gly 324) without the propeptide was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	NEGR1
Alternative Name:	NEGR1 ( <a href="#">NEGR1 Products</a> )
Background:	Background: Neuronal Growth Regulator 1, NEGR1, also known as neurotractin, or KILON, which belongs to the immunoglobulin superfamily, IgLON family. This GPI-linked cell surface glycoprotein NEGR1 is composed of three Ig-like domains and belongs to the IgLON subgroup

## Target Details

of neural IgSF members. It is expressed in two isoforms with apparent molecular masses of 50 and 37 kD, termed L-form and S-form, respectively. NEGR1/Neurotractin participates in the regulation of neurite outgrowth in the developing brain, and is expressed on neurites of primary hippocampal neurons. Neurotractin/KILON is a trans-neural growth-promoting factor for outgrowing axons following hippocampal denervation. KILON (kindred of IgLON) and opioid-binding cell adhesion molecule belong to the IgLON subgroup of immunoglobulin superfamily together with the limbic system-associated membrane protein and neurotrimin. The alteration of modulatory function of KILON/NEGR1 for the number of dendritic synapses concomitant with changes in its localization and detergent solubility during neuronal culture development. In addition to its reported role in the brain, NEGR1 is also expressed in subcutaneous adipose tissue and acts as a central 'hub' in an obesity-related transcript network.

Synonym: DMML2433,IgLON4,KILON,Ntra

Molecular Weight: 32.9 kDa

NCBI Accession: [NP\\_776169](#)

Pathways: [Feeding Behaviour](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.