

Product datasheet

Recombinant Human Nociceptin protein (denatured)
ab156732

1 Image

Overview

Product name	Recombinant Human Nociceptin protein (denatured)
Protein length	Full length protein
Description	Recombinant Human Nociceptin protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	Q13519
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPSP LWTPCTKVMA RSSWQLSPAA PEHVAAALYQ PRASEMQHLR RMPRVRSFLQ EQEEPEPGME EAGEMEQQQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVL SMQSSQR RRTLHQNGNV
Molecular weight	21 kDa including tags
Amino acids	20 to 176
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab156732** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	>90% by SDS-PAGE.
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol

General Info

Function

Nociceptin: Ligand of the opioid receptor-like receptor OPRL1. It may act as a transmitter in the brain by modulating nociceptive and locomotor behavior. May be involved in neuronal differentiation and development.

Nocistatin: Blocks nociceptin action in pain transmission by inhibiting nociceptin-induced hyperalgesia and allodynia.

Orphanin FQ2: Has potent analgesic activity.

Tissue specificity

Predominantly expressed in the brain and spinal cord. Also expressed and secreted by peripheral blood neutrophils following degranulation.

Sequence similarities

Belongs to the opioid neuropeptide precursor family.

Post-translational modifications

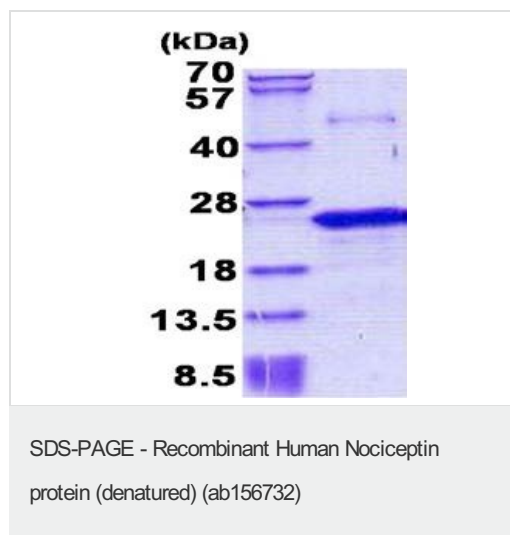
Specific enzymatic cleavages at paired basic residues probably yield other active peptides besides nociceptin.

The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.

Cellular localization

Secreted.

Images



15% SDS-PAGE analysis of 3µg ab156732.

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