abcam

Product datasheet

Recombinant Human Nociceptin protein (denatured) ab156732

1 Image

Description

Product name	Recombinant Human Nociceptin protein (denatured)
Purity	> 90 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q13519
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSSCQRDCL TCQEKLHPAL DSFDLEVCIL ECEEKVFPSP LWTPCTKVMA RSSWQLSPAA PEHVAAALYQ PRASEMQHLR RMPRVRSLFQ EQEEPEPGME EAGEMEQKQL QKRFGGFTGA RKSARKLANQ KRFSEFMRQY LVLSMQSSQR RRTLHQNGNV
Predicted 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
Form	Liquid

Preparation and Storage

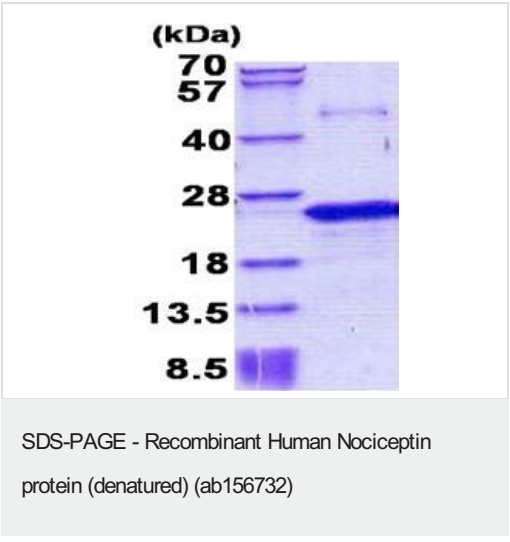
Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

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



SDS-PAGE - Recombinant Human Nociceptin protein (denatured) (ab156732)

15% SDS-PAGE analysis of 3µg ab156732.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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