abcam

Product datasheet

# Recombinant Human EDN3 protein ab202211

1 图像

## 描述

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| **产品名称** | 重组人EDN3蛋白 |
| **纯度** | > 85 % SDS-PAGE.<br>ab202211 was purified using conventional chromatography. |
| **表达系统** | Escherichia coli |
| **Accession** | P14138 |
| **蛋白长度** | Full length protein |
| **无动物成分** | No |
| **性质** | Recombinant |
| **种属** | Human |
| **序列** | MGSSHHHHHH SSGLVPRGSH MGSGDAGRRG VSQAPTAARS EGDCEETVAG PGEETVAGPG EGTVAPTALQ GPSPGSPGQE QAAEGAPEHH RSRRCTCFTY KDKECVYYCH LDIIWINTPE QTVPYGLSNY RGSFRGKRSA GPLPGNLQLS HRPHLRCACV GRYDKACLHF CTQTLDVSSN SRTAEKTDKE EEGKVEVKDQ QSKQALDLHH PKLMPGSGLA LAPSTCPRCL FQEGAP |
| **预测分子量** | 25 kDa including tags |
| **氨基酸** | 26 to 238 |
| **标签** | His tag N-Terminus |
| **额外的序列信息** | This product is for the mature full length protein. The signal peptide is not included. NCBI Accession No.: NP_996917. |

## 技术指标

Our **Abpromise guarantee** covers the use of **ab202211** in the following tested applications.

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

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| **应用** | Mass Spectrometry<br>SDS-PAGE |
| **质谱法** | MALDI-TOF |
| **形式** | Liquid |

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| **补充说明** | Previously labelled as Endothelin 3. |

## 制备和贮存

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| **稳定性和存储** | 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.<br>pH: 7.40<br>Constituents: 90% PBS, 10% Glycerol (glycerin, glycerine) |

## 常规信息

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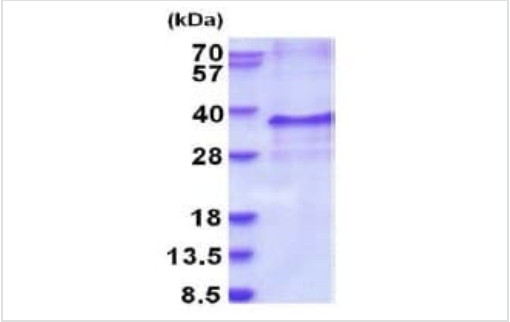
| **功能** | Endothelins are endothelium-derived vasoconstrictor peptides. |
| **组织特异性** | Expressed in trophoblasts and placental stem villi vessels, but not in cultured placental smooth muscle cells. |
| **疾病相关** | Defects in EDN3 are the cause of Hirschsprung disease type 4 (HSCR4) [MIM:613712]; also known as aganglionic megacolon (MGC). A genetic disorder of neural crest development characterized by the absence of intramural ganglion cells in the hindgut; often resulting in intestinal obstruction.<br>Defects in EDN3 are a cause of congenital central hypoventilation syndrome (CCHS) [MIM:209880]; also known as congenital failure of autonomic control or Ondine curse. CCHS is a rare disorder characterized by abnormal control of respiration in the absence of neuromuscular or lung disease, or an identifiable brain stem lesion. A deficiency in autonomic control of respiration results in inadequate or negligible ventilatory and arousal responses to hypercapnia and hypoxemia.<br>Defects in EDN3 are a cause of Waardenburg syndrome type 4 (WS4B) [MIM:613265]; also known as Waardenburg-Shah syndrome. WS4B is characterized by the association of Waardenburg features (depigmentation and deafness) and the absence of enteric ganglia in the distal part of the intestine (Hirschsprung disease). |
| **序列相似性** | Belongs to the endothelin/sarafotoxin family. |
| **细胞定位** | Secreted. |

## 图片




SDS-PAGE - Recombinant Human EDN3 protein (ab202211)

15% SDS-PAGE analysis of ab202211 (3 µg).

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

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