

Product datasheet

Recombinant Human NUDT3 protein ab103915

画像数 1

製品の概要

製品名	Recombinant Human NUDT3 protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

アクセッション番号 [O95989](#)

生物種 Human

配列 **MGSSHHHHHH SSGLVPRGSH MMKLKSNQTR**
 TYDGDGYKKR AACLCFRSES EEEVLLVSSS
 RHPDRWIVPG GGMEPEEEPS VAAVREVCEE
 AGVKGTLGRL VGIFENQERK HRTYVYVLIV
 TEVLEDWEDS VNIGRKREWF KIEDAIKVLQ
 YHKPVQASYF ETLRQGYSAN NGTPVVATTY
 SVSAQSSMSG IR

分子量 22 kDa including tags

領域 1 to 172

タグ His tag N-Terminus

特性

Our [Abpromise guarantee](#) covers the use of **ab103915** in the following tested applications.

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

アプリケーション Mass Spectrometry
 SDS-PAGE

質量分析 MALDI-TOF

精製度 > 95 % SDS-PAGE.

Purified using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.

製品の状態

Liquid

前処理および保存

保存方法および安定性

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.

Preservative: None

Constituents: 20% Glycerol, 5mM DTT, 200mM Sodium chloride, 20mM Tris HCl, pH 8

関連情報

機能

Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate) and [PP]2-InsP4 (bisdiphosphoinositol tetrakisphosphate), suggesting that it may play a role in signal transduction. InsP6 (inositol hexakisphosphate) is not a substrate. Acts as a negative regulator of the ERK1/2 pathway. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate.

組織特異性

Widely expressed. Expressed at higher level in brain, heart, pancreas and liver. Also expressed in placenta, lung and kidney.

配列類似性

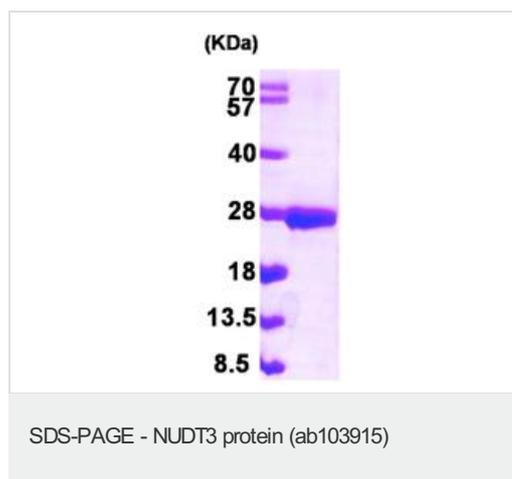
Belongs to the Nudix hydrolase family. DIPP subfamily.

Contains 1 nudix hydrolase domain.

細胞内局在

Cytoplasm.

画像



15% SDS-PAGE analysis of ab103915 (3 µg).

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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