

Recombinant Human Xanthine Oxidase protein ab159820

画像数 1

製品の詳細

製品名	Recombinant Human Xanthine Oxidase protein
発現系	Wheat germ
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	GSIPIEFRVSLLRDCPNKKAIYASKAVGEPPLFLAASIFFAI KDAIRAAR AQHTGNNVKELFRLDSPATPEKIRNACVDKFTTLCVTGVPEN CKPWSVR
領域	1234 to 1332
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab159820** in the following tested applications.

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

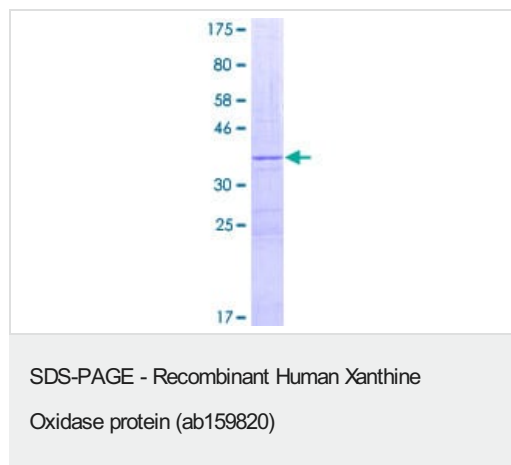
アプリケーション	ELISA Western blot
製品の状態	Liquid
備考	

前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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機能	Key enzyme in purine degradation. Catalyzes the oxidation of hypoxanthine to xanthine. Catalyzes the oxidation of xanthine to uric acid. Contributes to the generation of reactive oxygen species. Has also low oxidase activity towards aldehydes (in vitro).
組織特異性	Detected in milk (at protein level).
関連疾患	Defects in XDH are the cause of xanthinuria type 1 (XU1) [MIM:278300]. Xanthinuria is characterized by excretion of very large amounts of xanthine in the urine and a tendency to form xanthine stones. Uric acid is strikingly diminished in serum and urine. XU1 is due to isolated xanthine dehydrogenase. XU1 patients can metabolize allopurinol.
配列類似性	Belongs to the xanthine dehydrogenase family. Contains 1 2Fe-2S ferredoxin-type domain. Contains 1 FAD-binding PCMH-type domain.
翻訳後修飾	Subject to partial proteolysis; this alters the enzyme from the dehydrogenase form (D) to the oxidase form (O). Contains sulfhydryl groups that are easily oxidized (in vitro); this alters the enzyme from the dehydrogenase form (D) to the oxidase form (O).
細胞内局在	Cytoplasm. Peroxisome. Secreted.

## 画像



ab159820 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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