

# Recombinant human kynurenine 3-monooxygenase protein (Active) ab271578

画像数 2

製品の詳細

製品名	Recombinant human kynurenine 3-monooxygenase protein (Active)
生理活性	<p>The specific activity of ab271578 was 100 pmol/min/μg.</p> <p>ab271578 was tested with various amounts of enzyme. The reactions in KMO Assay Buffer (50 mM Sodium Phosphate, pH 7.5, 0.1% (w/v) Brij-35) contains 200 μM NADPH, 400 μM L-Kynurenine, and various concentrations of KMO. The reaction mixture incubated for 90 minutes while reading the UV absorption signal. For the negative control (blank), assay buffer was added instead of the enzyme. Absorption signals at 340 nm in a plate reader.</p>
精製度	<p>&gt;= 60 % SDS-PAGE.</p> <p>Affinity purified.</p>
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<b><u>O15229</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human

配列	MDSSVIQRKK VAVIGGGLVG SLQACFLAKR
	NFQIDVYEAR EDTRVATFTR GRSINLALSH
	RGRQALKAVG LEDQIVSQGI PMRARMIHSL
	SGKKSAIPYG TKSQYILSVS RENLNKDLLT
	AAEKYPNVKM HFNHRLKCN PEEGMITVLG
	SDKVPKDVTC DLIVGCDGAY STVRSHLMKK
	PRFDYSQQYI PHGYMELTIP PKNGDYAMEP
	NYLHIWPRNT FMMIALPNMN KSFTCTLFMP
	FEEFEKLLTS NDVVDFQKY FPDAIPLIGE
	KLLVQDFLL PAQPMISVKC SSFHKSHCV
	LLGDAAHAIV PFFGQGMNAG FEDCLVFDEL
	MDKFSNDLSL CLPVFSRLRI PDDHAISDLS
	MYNYIEMRAH VNSSWFIFQK NMERFLHAIM
	PSTFIPLYTM VTFSRIRYHE AVQRWHWQKK
	VINKGLFFLG SLIAISSTYL LIHYMSPRSF
	LRLRRPWNWI AHRNTTCFP AKAVDSLEQI SNLISR

予測される分子量	58 kDa including tags
領域	1 to 486
タグ	His-DDDDK tag C-Terminus
配列の追加情報	Genbank: NM_003679

## 特性

Our **Abpromise guarantee** covers the use of **ab271578** 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	Functional Studies
	SDS-PAGE

製品の状態	Liquid
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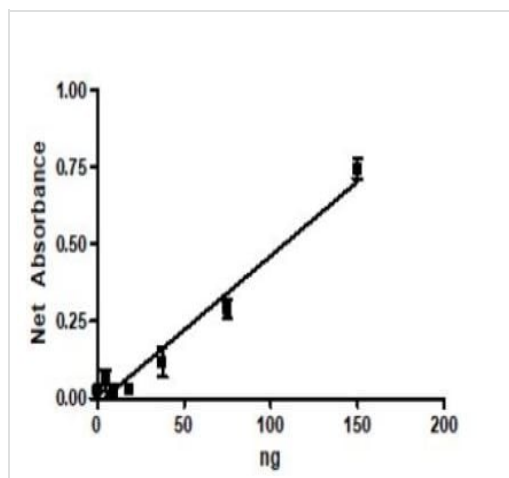
## 前処理および保存

保存方法および安定性	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.  pH: 8.00 Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 0.01% TCEP, 20% Glycerol (glycerin, glycerine)  100 µg/ml DDDDK peptide  This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## 関連情報

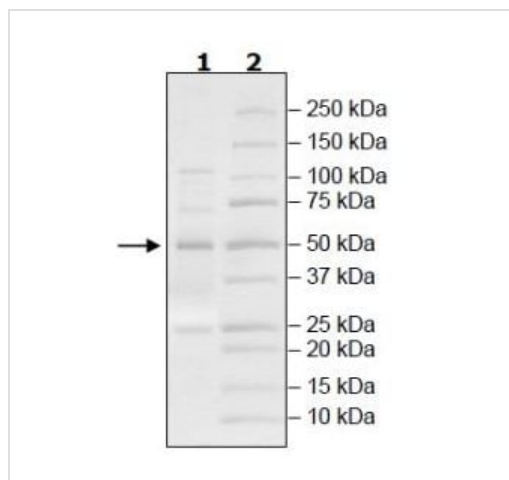
機能	Catalyzes the hydroxylation of L-kynurenine (L-Kyn) to form 3-hydroxy-L-kynurenine (L-3OHKyn). Required for synthesis of quinolinic acid, a neurotoxic NMDA receptor antagonist and potential endogenous inhibitor of NMDA receptor signaling in axonal targeting, synaptogenesis and apoptosis during brain development. Quinolinic acid may also affect NMDA receptor signaling in pancreatic beta cells, osteoblasts, myocardial cells, and the gastrointestinal tract.
組織特異性	Highest levels in placenta and liver. Detectable in kidney.
パスウェイ	Cofactor biosynthesis; NAD(+) biosynthesis; quinolinate from L-kynurenine: step 1/3.
配列類似性	Belongs to the aromatic-ring hydroxylase family. KMO subfamily.
細胞内局在	Mitochondrion outer membrane.

## 画像



Specific activity of ab271578 was 100 pmol/min/μg.

Functional Studies - Recombinant Human  
kynurenine 3-monooxygenase protein (Tagged)  
(ab271578)



SDS-PAGE analysis of ab271578.

SDS-PAGE - Recombinant Human kynurenine 3-  
monooxygenase protein (Tagged) (ab271578)

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

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