

Recombinant human COX1 / Cyclooxygenase 1 protein
ab198643

2 图像

描述	
产品名称	重组人COX1 / Cyclooxygenase 1蛋白
生物活性	Mixed various concentrations of enzyme in Assay buffer (100 mM Tris-HCl pH 8, 3 μM EDTA) with 5 μM Hematin for 10 min then added 100 μM Ampliflu Red and 200 μM arachidonic acid. Fluorescence (ex. 535 em. 590) was measured after 5 minutes at room temperature. Reaction volume was 100 μl. Application: Useful for the study of enzyme kinetics, screening inhibitors and selectivity profiling.
纯度	>= 90 % SDS-PAGE. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<u>P23219</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MSRSLLLWFLLFLLLLPPLPVLLADPGAPTPVNPCCYYPCQH QGICVRFG LDRYQCDCTRTGYSGPNCTIPGLWTWLRNSLRSPSFTHFLL THGRWFE FVNATFIREMLMRLVLTVRSNLIPSPPTYNSAHDYISWESFS NVSYYTRI LPSVPKDCPTPMGTGKKQLPDAQLLARRFLLRRKFIPDPQG TNLMFAFF AQHFTHQFFKTSGKMGPFTKALGHGVDLGHYGDNLERQYQ LRLFKD GK LKYQVL D G E M Y P P S V E E A P V L M H Y P R G I P P Q S Q M A V G Q E V F G LLPGLMLY ATLWLREHNRVCDLLKAEHPTWGDEQLFQTTRLILIGETIKI VIEEYVQQ LSGYFLQLKFDPELLFGVQFQYRNRIAMEFNHLYHWHPLMPD SFKVGSQE YSYEQFLFNTSMLVDYGVEALVDAFSRQIAGRIGGGRNMDHH

ILHVAVDV
IRESREMLQPFNEYRKRFGMKPYTSFQELVGEKEMAAELEE
LYGDIDAL
EFYPGLLLEKCHPNSIFGESMIEIGAPFSKGLLGNPICSPE
YWKPFSTFG
GEVGFNIVKTATLKKLVCLNTKTCPYVSFRVPDASQDDGPAV
ERPSTELD YKDDDDKHHHHHH

预测分子量	71 kDa including tags
氨基酸	1 to 599
标签	His-DDDDK tag C-Terminus
额外的序列信息	NM_000962.

技术指标

Our **Abpromise guarantee** covers the use of **ab198643** in the following tested applications.

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

应用	SDS-PAGE Functional Studies
形式	Liquid
补充说明	Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses.

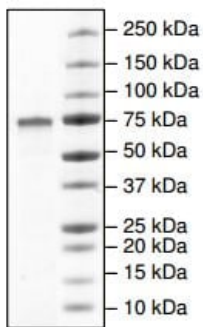
制备和贮存

稳定性和存储	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, 20% Glycerol (glycerin, glycerine), 0.08% Triton X-100, 0.0067% Diethyldithiocarbamate Contains 80 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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常规信息

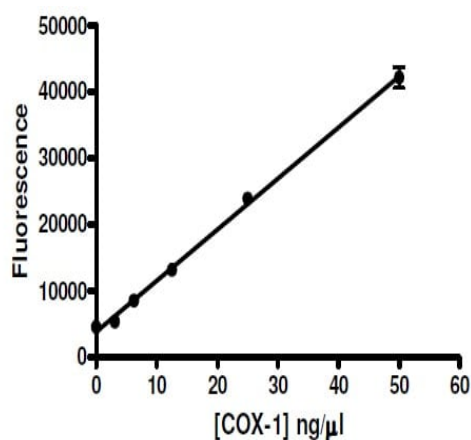
功能	May play an important role in regulating or promoting cell proliferation in some normal and neoplastically transformed cells.
通路	Lipid metabolism; prostaglandin biosynthesis.
序列相似性	Belongs to the prostaglandin G/H synthase family. Contains 1 EGF-like domain.
细胞定位	Microsome membrane. Endoplasmic reticulum membrane.

图片



SDS-PAGE - Recombinant human COX1 /
Cyclooxygenase 1 protein (ab198643)

4-20% SDS-PAGE analysis of 1.2 μ g ab198643 with Coomassie staining.



Functional Studies - Recombinant human COX1 /
Cyclooxygenase 1 protein (ab198643)

Mixed various concentrations of enzyme in Assay buffer (100 mM Tris-HCl pH 8, 3 μ M EDTA) with 5 μ M Hematin for 10 min then added 100 μ M Ampliflu Red and 200 μ M arachidonic acid. Fluorescence (ex. 535 em. 590) was measured after 5 minutes at room temperature. Reaction volume was 100 μ l.

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

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