Datasheet for ABIN7559811

HPGD Protein (AA 1-269) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	HPGD
Protein Characteristics:	AA 1-269
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HPGD protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Hpgd Protein expressed in mammalien cells.
Sequence:	MHVNGKVALV TGAAQGIGKA FAEALLLHGA KVALVDWNLE AGVKCKAALD EQFEPQKTLF VQCDVADQKQ LRDTFRKVVD HFGRLDILVN NAGVNNEKNW EQTLQINLVS VISGTYLGLD YMSKQNGGEG GIIINMSSLA GLMPVAQQPV YCASKHGIIG FTRSAAMAAN LMKSGVRLNV ICPGFVDTPI LESIEKEENM GQYIEYKDQI KAMMKFYGVL HPSTIANGLI NLIEDDALNG AIMKITASKG IHFQDYDISP LLVKAPLTS **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

	transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	HPGD
Alternative Name:	Hpgd (HPGD Products)
Background:	15-hydroxyprostaglandin dehydrogenase [NAD(+)] (15-PGDH) (EC 1.1.1.141) (Eicosanoid/docosanoid dehydrogenase [NAD(+)]) (EC 1.1.1.-, EC 1.1.1.232) (Prostaglandin dehydrogenase 1),FUNCTION: Catalyzes the NAD-dependent dehydrogenation (oxidation) of a broad array of hydroxylated polyunsaturated fatty acids (mainly eicosanoids and docosanoids, including prostaglandins, lipoxins and resolvins), yielding their corresponding keto (oxo) metabolites (By similarity) (PubMed:8950170). Decreases the levels of the pro-proliferative prostaglandins such as prostaglandin E2 (whose activity is increased in cancer because of an increase in the expression of cyclooxygenase 2) and generates oxo-fatty acid products that can profoundly influence cell function by abrogating pro-inflammatory cytokine expression. Converts resolvins E1, D1 and D2 to their oxo products, which represents a mode of resolvin inactivation. Resolvin E1 plays important roles during the resolution phase of acute inflammation, while resolvins D1 and D2 have a unique role in obesity-induced adipose inflammation (By similarity). {ECO:0000250|UniProtKB:P15428, ECO:0000269|PubMed:8950170}.
Molecular Weight:	29.2 kDa
UniProt:	Q8VCC1

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months