

Datasheet for ABIN666747

AKR1C3 Protein (AA 1-323) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	AKR1C3
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AKR1C3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	AKR1C3, 1-323aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 95 % by SDS - PAGE

Target Details

Target:	AKR1C3
Alternative Name:	AKR1C3 (AKR1C3 Products)
Background:	AKR1C3, also known as PGFS, is a member of the aldo-keto reductase superfamily which catalyzes the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. This enzyme catalyzes the reduction of prostaglandin (PG) D2, PGH2 and phenanthrenequinone (PQ), and the oxidation of 9 alpha, 11 beta-PGF2 to PGD2. It may play an important role in the pathogenesis of allergic diseases such as asthma, and may

Target Details

also have a role in controlling cell growth and differentiation. Recombinant human AKR1C3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Aldo-keto reductase family 1, member C3 , DD3, DDX, HA1753, HAKRB, HAKRe, hluPGFS, HSD17B5, KIAA0119, Aldo-keto reductase family 1, member C3 17 beta HSD 5, AKR1 C3, Chlordecone reductase, 17 beta hydroxysteroid dehydrogenase type 5, Aldo keto reductase family 1 member C3, DDH1, HAKRe, HSD17B5, PGFS, Prostaglandin F synthase,. NCBI no.: NP_003730

Molecular Weight: 39 kDa (343 aa), confirmed by MALDI-TOF.

Pathways: [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Biosynthesis](#), [Regulation of Hormone Metabolic Process](#), [Regulation of Hormone Biosynthetic Process](#), [C21-Steroid Hormone Metabolic Process](#), [Protein targeting to Nucleus](#)

Application Details

Restrictions: For Research Use only

Handling

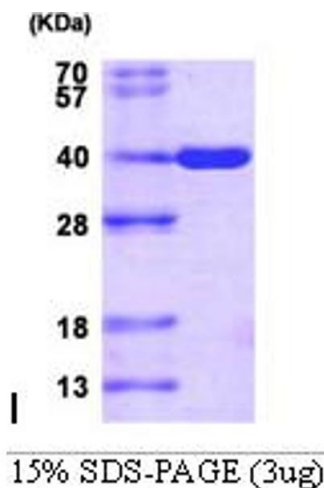
Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

Storage: 4 °C

Images



SDS-PAGE

Image 1.