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## Product Data Sheet

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Product Name: FAHD1 Human  
 Cat. No.: GP21616  
 Batch No.: 1

### Product Data

|                     |  |                    |                         |
|---------------------|--|--------------------|-------------------------|
| Purity              | >98%   | Source             | Escherichia Coli.       |
| Physical Appearance | solid  | Shipping Condition | Shipped with Ice Packs. |
| Synonyms            | Fumarylacetoacetate hydrolase domain-containing protein 1; YisK-like protein; FAHD1; C16orf36; YISKL; MGC74876; DKFZp566J2046.   |                    |                         |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MGIMAASRPL SRFWEWGKNI VCVGRNYADH<br>VREMRSVLS EPVLFLKPST AYAPEGSPIL MPAYTRNLHH EELGVVMGK<br>RCRAVPEAAA MDYVGGYALC LDMTARDVQD ECKKKGLPWT LAKSFTASCP<br>VSAFVPKEKI PDPHKLKLWL KVNGELRQEG ETSSMIFSIP YIISYVSKII<br>TLEEGDIILT GTPKGVGPVK ENDEIEAGIH GLVSMTEFKVE KPEY. |                    |                         |
| Formulation         | The FAHD1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.  |                    |                         |

### Introduction

Fumarylacetoacetate hydrolase domain-containing protein 1 (FAHD1) is a member of the FAH family. FAHD1 is considered to have hydrolase activity and it uses Magnesium and Calcium as cofactors. It seems quite likely that the metal binding sites are involved in an enzymatic activity connected to the catabolism of aromatic amino acids.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

FAHD1 Human Recombinant fused with a20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 244 amino acids (1-224 a.a.) and having a molecular mass of 27kDa. The FAHD1 is purified by proprietary

**Caution: Product has not been fully validated for medical applications. For research use only.**

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chromatographic techniques.

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