

FADH1, 1-224aa, Human, His tag, E.coli

Cat.NO.: TP02082

3th Edition

Synonyms:Fumarylacetoacetate hydrolase domain-containing protein 1, YISKL

Description:Fumarylacetoacetate hydrolase domain-containing protein 1, also known as FAHD1, belongs to the FAH family. FAHD1 is thought to have hydrolase activity and uses Magnesium and Calcium as cofactors. It appears highly probable that the metal binding sites are involved in an enzymatic activity related to the catabolism of aromatic amino acids. Recombinant human FAHD1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 0.1M NaCl

Molecular Weight:27 kDa (244aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGIMAASRPLSRFWEWGKNIVCVGRNYADHVREMRSAVLSEPVFLFKPSTAYAP
EGSPILMPAYTRNLHHELELGVVMGKRCRAVPEAAAMDYVGGYALCLDMTARDVQDECKKKGLPWTLAKSFTASC
PVSAFVPKEKIPDPHKLKLWLKVNGELRQEGETSSMIFSIPYIISYVSKIITLEEGDIILTGTPKGVGPVKENDEIEAGIH
GLVSMTFKVEKPEY

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.