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32-2158: ARG1 Recombinant Protein

Alternative Name : EC 3.5.3.1,Arginase 1,Type I Arginase,Liver-Type Arginase.

Description

Source : Escherichia Coli. ARG1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 330 amino acids (1-322a.a.) and having a molecular mass of 35.8kDa. ARG1 protein is fused to an 8 amino acid His tag at C-terminus and is purified by standard chromatography. ARG1 catalyzes the hydrolysis of arginine to ornithine and urea. 2 isoforms of mammalian arginase exist which vary in their tissue distribution, subcellular localization, immunologic crossreactivity and physiologic role. ARG1 is a cytosolic enzyme and expressed widely in the liver as part of the urea cycle. Inherited deficiency of this ARG1 causes argininemia, which is an autosomal recessive disorder characterized by hyperammonemia.

Product Info

Amount :	25 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	ARG1 Human protein solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 2mM DTT, 0.1M NaCl & 20% glycerol.
Storage condition :	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.
Amino Acid :	MSAKSRTIGI IGAPFSKGQP RGGVEEGPTV LRKAGLLEKL KEQECDVKDY GDLPFADIPN DSPFQIVKNP RSVGKASEQL AGKVAEVKKN GRISLVLGGD HSLAIGSISG HARVHPDLGV IWVDAHTDIN TPLTTTSGNL HGQPVSFLLK ELKGKIPDVP GFSWVTPCIS AKDIVYIGLR DVDPGEHYIL KTLGIKYFSM TEVDRLGIGK VMEETLSYLL GRKKRPIHLS FDVDGLDPSF TPATGTPVVG GLTYREGLYI TEEIYKTGLL SGLDIMEVNP SLGKTPEEVT RTVNTAVAIT LACFGLAREG NHKPIDYLNP PKLEHHHHHH.

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