

ARG2, 23-354aa, Human, His tag, E.coli

Cat.NO.: TP01214

3th Edition

Synonyms: Arginase-2, type II; Kidney arginase; Non-hepatic arginase.

Description: Arginase is a manganese-containing enzyme which catalyzes the hydrolysis of arginine to ornithine and urea. It is the final enzyme of the urea cycle. At least two isoforms of mammalian arginase exist (types I and II) which differ in their tissue distribution, subcellular localization, immunologic cross-reactivity and physiologic function.

Form: Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% Glycerol

Molecular Weight: 38.3kDa(353aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMVHSAVIGAPFSQGQKRKGVEHGPAAREAGLMKRLSSLGCHLKDFGDLSTP
VPKDDLNNLIVNPRSVGLANQELAEVVSRAVSDGYSCVTLGGDHSLAIGTISGHARHCPDLCVVWVDAHADINTPL
TTSSGNLHGQPVSFLLRELQDKVPQLPGFSWIKPCISSASIVYIGLRDVPPEHFILKNYDIQYFSMRDIDRLGIQKVM
ERTFDLLIGKRQRPIHLSFDIDAFDPTLAPATFTPVVGGLTYREGMYIAEEIHNTGLLSALDLVEVNPQLATSEEEAKT
TANLAVDVIASSFGQTREGGHIVYDQLPTPSSPDESENQARVRI

Purity: > 95% by HPLC

Concentration: 0.5 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.