

# Human ARG1 Recombinant Protein



RPPB1408

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## Product Information    Protein Information

**Product SKU:**

RPPB1408

**Host:**

Escherichia Coli.

**Protein description:**

ARG1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 330 amino acids ( 1-322aa ) and having a molecular mass of 35.8 kDa. ARG1 is fused to a 8 amino acid His tag at C-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Arginase-1 liver, Arginase-1, liver, Arginase-1, liver A I, AI, ARG 1, ARG1, Arginase 1, Arginase liver, Arginase type I, Arginase1, Liver type arginase, Type I arginase.

**Formulation:**

ARG1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT and 100mM NaCl.

**Purity:**

Greater than 85.0% as determined by SDS-PAGE.

**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.

**Amino Acid Sequence:**

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 NHKPIDYLNPKLEHHHHHHH.

**Biological Activity:**

Specific activity is > 150,000 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of arginine to urea per minute at pH 10.5 at 37C.