



Recombinant Human ARG2 Protein Product Manual

1. Product Basic Information

Product No.: REP06166

Protein Name: Arginase Arginase II (ARG2)

Aliases: arginase arginase II; kidney arginase; type II arginase; arginase, type II; nonhepatic arginase; kidney-type arginase; non-hepatic arginase; L-arginine ureahydrolase; arginase-2, mitochondrial; L-argi...

UniProt ID: P78540

UniProt Link: <https://www.uniprot.org/uniprotkb/P78540/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-354aa)

Molecular Weight: 63.1kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-354aa)

MSLRGSLSRLLQTRVHSILKKS VHSVAVIGAPFSQGQKRKGVEHGPA AIREAGLMK
RLSSLGCHLKDFGDL SFTPVPKDDL YNNLIVNPRSVGLANQELAEVVSRAVSDGYS
CVTLGGDHS LAIGTISGHARHCPDLCVWVDAHADINTPLTTSSGNLHGQPVSFLLR
ELQDKVPQLPGFSWIKPCISSASIVYIGLRDVPPEHFIKKNYDIQYFSMRDIDRLGIQ
KVMERTFDLLIGKRQRPIHLSFDIDAFDPTLAPATGTPVVGGLTYREGMYIAEEIHNT
GLLSALDLVEVNPQLATSEEEAKTTANLAVDVIASSFGQTREGGHIVYDQLPTPSSP
DESENQARVRI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ARG2 full length protein (1-354aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. ARG2, also known as arginase arginase II or kidney arginase or type II arginase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.