

## 32-2159: ARG2 Recombinant Protein

**Alternative Name :** Kidney Arginase, Non-Hepatic Arginase, EC 3.5.3.1, Arginase-2, Type II arginase, Kidney-type arginase, Arginase-2 mitochondrial.

### Description

Source : Escherichia Coli. ARG2 Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 353 amino acids (23-354 a.a.) and having a molecular mass of 38.3 kDa. The ARG2 is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. ARG2 participates in the regulation of extra-urea cycle arginine metabolism and also in down-regulation of nitric oxide synthesis. Extrahepatic arginase functions to regulate L-arginine bioavailability to NO synthase. Since NO synthase is found in the penile corpus cavernosum smooth muscle, the clitoral corpus cavernosum and the vagina, ARG2 takes part in both male and female sexual arousal and therefore a potential target for the treatment of male and female sexual arousal disorders.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** ARG2 Human solution containing 20mM Tris-HCl pH-8, & 10% 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 :** MGSSHHHHHH SGLVPRGSH MVHSVAVIGA PFSQGQKRKG VEHGPAAIRE AGLMKRLSSL  
GCHLKDFGDL SFTPVPKDDL YNNLIVNPRS VGLANQELAE VVSRAVSDGY SCVTLGGDHS  
LAIGTISGHA RHCPDLCVVW VDAHADINTP LTTSSGNLHG QPVSFLLREL QDKVPQLPGF  
SWIKPCISSA SIVYIGLRDV DPPEHFILKN YDIQYFSMRD IDRLGIQKVM ERTFDLLIGK  
RQRPIHLSFD IDAFDPTLAP ATFTPVVGGL TYREGMYIAE EIHN TGLLSA LDLVEVNPQL  
ATSEEEAKTT ANLAVDVIAS SFGQTREGGH IVYDQLPTPS SPDESENQAR VRI.

