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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

ARG1, His-Tag

Human, Recombinant, C-terminal His-Tag
Catalog #: 71658
Lot #: 150825 **Conc.:** 1.07 mg/mL

Formulated in: 8 mM Phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Protein may be diluted to $\geq 100 \mu\text{g/ml}$ in PBS + glycerol and stored at -80°C .

References:

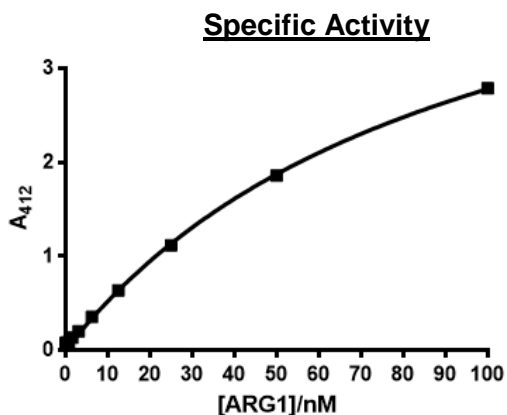
1. Sedbrook, J.C., *et al.*, *PNAS*. 1999 Feb; **96(3)**:1140-1145.
2. Woll, P.J., *et al.*, *PNAS*. 1998 Mar; **85(6)**:1859-1863.

Description: Human Arginase 1 (ARG1) protein, also known as LCN7 and LIECF3, GenBank Accession No. NM_000045, amino acids 1-322, with a C-terminal His-tag, expressed in an HEK293 cell expression system. MW = 36 kDa.

Assay Description: The assay was performed by UV absorption using recombinant ARG1 with thioarginine substrate (Cayman 80240). The UV absorption signal at 412 nm is proportional to the amount of reaction product produced. Reactions were conducted for 30 min at room temperature. To initiate the reaction various concentrations of ARG1 (0-100 nM final concentration) were added to ARG1 assay buffer containing the thioarginine substrate. Absorption signals were measured using a Tecan Infinite M1000 plate reader.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

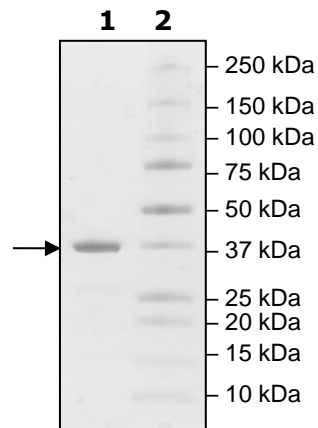
Quality Assurance



**4-20% SDS-PAGE
 Coomassie staining**

Lane 1:
 3 μg ARG1
Lane 2:
 Protein Marker

MW: 36 kDa
Purity: $\geq 90\%$



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