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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

IDO2, His-tag

Human, recombinant, N-terminal His-tag
Catalog #: 71194
Lot #: 150727-2 **Conc.:** 2.3 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0,
 110 mM NaCl, 2.2 mM KCl, 20% glycerol

Stability: At least 6 months at -80°C . *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

References:

1. Metz, R., *et al.*, *Canc. Res.* 2007; **67(15)**: 7082-7087.
2. Witkiewicz, A.K., *et al.*, *J. Am. Coll. Surgeons.* 2009; **208(5)**: 781-787.
3. Flick, H.E., *et al.*, *Int. Nat. J. Tryptophan Res.* 2013; **6**: 35-45.

Description:

Human IDO2, also known as Indoleamine 2,3-dioxygenase 2, GenBank Accession No. NM_194294, a.a. 15-420(end) with an N-terminal His-tag, expressed in an *E. coli* cell expression system. MW = 46 kDa.

Assay Description:

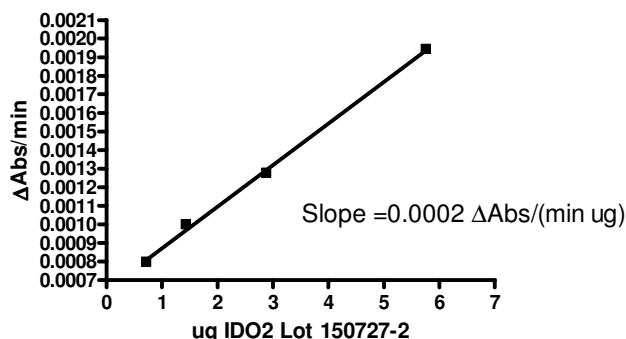
IDO2 activity was confirmed using the IDO2 Inhibitor Screening Assay Kit (BPS Cat. #72022) and following the protocol provided.

Application:

Useful for studying enzyme kinetics, substrate specificity, and screening inhibitors.

Quality Assurance

Activity Assay



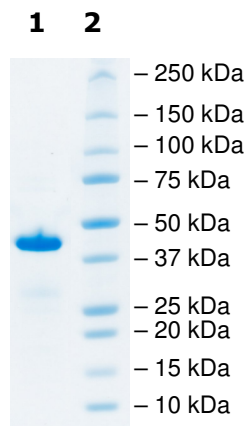
4-20% SDS-PAGE

Coomassie staining

Lane 1:
 IDO2
 (2.4 ug loaded) →

Lane 2:
 Protein Marker

Purity: $\geq 90\%$



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Sequence

MHHHHHHAHAMENSWTISKEYHIDEEVGFALPNPQENLPDFYNDWMFIAKHLPLDIES
GQLRERVEKLNMLSIDHLTDHKSQRLARLVLCITMAYVWVGKGGHGDVRKVLPRNIAV
PYCQLSKKLELPPILVYADCVLANWKKKDPNKPLTYENMDVLFSDGDCSKGFFLV
SLLVEIAAASAIVKVIPTVFKAMQMQRDTLLKALLEIASCLEKALQVFHQIHDHVNPKA
FFSVLRIYLSGWKGNPQLSDGLVYEGFWEDPKEFAGGSAGQSSVFQCFDVLLGIQQT
AGGGHAAQFLQDMRRYMPPAHRNFLCSLESNPSVREFVLSKGDAGLREAYDACVK
ALVSLRSYHLQIVTKYILIPASQQPKENKTSSEDPKLEAKGTGGTDLMNFLKTVRSTTE
KSLLKEG

Black: IDO1 (a.a. 2-403(end))

Red: 6x His including first M

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