

Datasheet for ABIN7559643
IDO2 Protein (AA 1-405) (His tag)



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Overview

Quantity:	1 mg
Target:	IDO2
Protein Characteristics:	AA 1-405
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDO2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ido2 Protein expressed in mammalian cells.
Sequence:	<p>MEPQSQSMTL EVPLSLGRYH ISEEYGFLLP NPLEALPDHY KPWMEIALRL PHLIENRQLR AHVYRMPLLD CRFLKSYREQ RLAHMALAAI TMGFVWQEGE GQPQKVLPRS LAIPFVEVSR NLGLPPILVH SDLVLTNWTN RNPEGGLEIS NLETIISFPG GESLRGFILV TVLVEKAAVP GLKALVQGME AIRQHSQDTL LEALQQLRLS IQDITRALAQ MHDYVDPDIF YSVIRIFLSG WKDNPAMPVG LVYEGVATEP LKYSGGSAQAQ SSVLHAFDEF LGIEHCKESV GFLHRMRDYM PPSHKAFLED LHVAPSLRDY ILASGPGDCL MAYNQCVEAL GELRSYHINV VARYIISAAT RARSRGLTNP SPHALEDRGT GGTAMLSFLK SVREKTMEAL LCPGA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

IDO2

Alternative Name:

Ido2 ([IDO2 Products](#))

Background:

Indoleamine 2,3-dioxygenase 2 (IDO-2) (EC 1.13.11.-) (Indoleamine 2,3-dioxygenase-like protein 1) (Indoleamine-pyrrole 2,3-dioxygenase-like protein 1),FUNCTION: Catalyzes the first and rate-limiting step in the kynurenine pathway of tryptophan catabolism (PubMed:17499941, PubMed:17499941). Involved in immune regulation (PubMed:25477879).
{ECO:0000269|PubMed:17499941, ECO:0000303|PubMed:25477879}.

Molecular Weight:

45.3 kDa

UniProt:

[Q8R0V5](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions:

For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months