

Recombinant Human TDO2/TDO protein ab104463

1 Image

Description	
Product name	Recombinant Human TDO2/TDO protein
Purity	> 90 % SDS-PAGE. ab104463 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P48775</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMSGCPFLGNNFGYTFKKL PVEGSEEDKSQT GVNRASKGGLIYGNYLHLEKVLNAQELQSETKGNKIHDEHL FIITHQAYE LWFKQILWELDSVREIFQNGHVRDERNMLKVVSRRMHRVS VILKLLVQQFS ILETMTALDFNDFREYLSPASGFQSLQFRLLLENKIGVLQNM RVPYNRRHY RDNFKGEENELLLKSEQEKTLELVEAWLERTPGLEPHG FNFWGKLEKNI TRGLEEEFIRIQAKEESEEEKEEQVAEFQKQKEVLLSLFDE KRHEHLLSKG ERRLSYRALQGALMIYFYREEPRFQVPFQLTSLMDIDSLM TKWRYNHVC MVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLFNLS TYLIPRHWIPK MNPTIHKFLYAEYCDSSYFSSDESD)
Predicted molecular weight	50 kDa including tags
Amino acids	1 to 406
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab104463** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Form	Liquid
Additional notes	This product was previously labelled as TDO2

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.077% DTT, 0.316% Tris HCl, 0.0292% EDTA, 30% Glycerol (glycerin, glycerine), 1.16% Sodium chloride
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General Info

Function	Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin.
Pathway	Amino-acid degradation; L-tryptophan degradation via kynurenine pathway; L-kynurenine from L-tryptophan: step 1/2.
Sequence similarities	Belongs to the tryptophan 2,3-dioxygenase family.

Images



15% SDS-PAGE showing ab104463 (3 µg) at approximately 50 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
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