abcam

Product datasheet

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 P48775

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence MGSSHHHHHHSSGLVPRGSHMSGCPFLGNNFGYTFKKL

PVEGSEEDKSQT

GVNRASKGGLIYGNYLHLEKVLNAQELQSETKGNKIHDEHL

FIITHQAYE

LWFKQILWELDSVREIFQNGHVRDERNMLKVVSRMHRVS

VILKLLVQQFS

ILETMTALDFNDFREYLSPASGFQSLQFRLLENKIGVLQNM

RVPYNRRHY

RDNFKGEENELLLKSEQEKTLLELVEAWLERTPGLEPHG

FNFWGKLEKNI

TRGLEEEFIRIQAKEESEEKEEQVAEFQKQKEVLLSLFDE

KRHEHLLSKG

ERRLSYRALQGALMIYFYREEPRFQVPFQLLTSLMDIDSLM

TKWRYNHVC

MVHRMLGSKAGTGGSSGYHYLRSTVSDRYKVFVDLFNLS TYLIPRHWIPK MNPTIHKFLYTAEYCDSSYFSSDESD)

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.

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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 HCI, 0.0292% EDTA, 30% Glycerol (glycerin, glycerine),

1.16% Sodium chloride

General Info

Function Incorporates oxygen into the indole moiety of tryptophan. Has a broad specificity towards

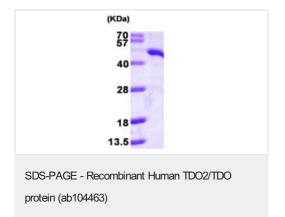
tryptamine and derivatives including D- and L-tryptophan, 5-hydroxytryptophan and serotonin.

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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