

Human IDO1 Recombinant Protein



RPPB1845

Product Information Protein Information

Product SKU:

RPPB1845

Accession:

P14902

Host:

Escherichia Coli.

Protein description:

IDO1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 426 amino acids (1-403a.a) and having a molecular mass of 47.7kDa. IDO1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

IDO, IDO-1, INDO, Indoleamine 2,3-dioxygenase 1, Indoleamine-pyrrole 2,3-dioxygenase.

Formulation:

The IDO1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Purity:

Greater than 90% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MGSMAMH MEN SWTISKEYHI DEEVGFALPN PQENLPDFYN DWMFIAKHLP
DLIESGQLRE RVEKLNMLSI DHLTDHKSQR LARLVGCIT MAYVWVGKGGH DVRKVLPRNI AVPYCQLSKK
LELPPILVYA DCVLANWKKK DPNKPLTYEN MDVLF SFRDG DCSKGFFLV S LLVEIAAASA IKVIPTVFKA
MQMQERDTLL KALLEIASCL EKALQVFHQI HDHVNPKAFF SVLRIYLSGW KGNPQLSDGL VYEGFWEDPK
EFAGGSAGQS SVFQCFDVLL GIQQTAGGGH AAQFLQDMRR YMPPAHRNFL CSLESNPSVR EFVLSKGDAG
LREAYDACVK ALVLSRSYHL QIVTKYILIP ASQQPKENKT SEDPSKLEAK GTGGTDL MNF LKTVRSTTEK SLLKEG.

Biological Activity:

Specific activity is > 300 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of L-Tryptophan to N-formyl-Lkynurenine per minute at pH 6.5 at 25C.