

Recombinant Human Indoleamine 2,3-dioxygenase 1(IDO1)

Catalog No: #AP70417

Package Size: #AP70417-1 20ug #AP70417-2 100ug #AP70417-3 1mg

Description

Product Name	Recombinant Human Indoleamine 2,3-dioxygenase 1(IDO1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-403aaSequence Info:Full Length
Other Names	Indoleamine-pyrrole 2,3-dioxygenase
Accession No.	P14902
Calculated MW	49.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MAHAMENSWTISKEYHIDEEVGFALPNPQENLPDFYNDWMFIKHLPLDIESGQLRERVEKLNMLSIDHLTDHK SQRLARLVLCITMAYVWGKGHGQDVRKVLPRNIAPVYCQLSKKLELPPILVYADCVLANWKKKDPNKLTYEN MDVLFSEFRDGCDSKGFLLVSLLEIAAASAIKVIPTVFKAMQMQRDRTLKALLEIASCLEKALQVFHQIHDHVN PKAFFSVLRILSGWKGPNQLSDGLVYEGFWEDPKEFAGGSAGQSSVFQCFDVLGIIQQTAGGGHAAQFLQ DMRRYMPPAHRNFLCSLESNPSVREFVLSKGDAGLREAYDACVKALVSLRSYHLQIVTKYILIPASQQPKENKT SEDPKLEAKGTGGTDLNMLKTVRSTTEKSLKEG
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the cleavage of the pyrrol ring of tryptophan and incorporates both atoms of a molecule of oxygen.

References

Novel tryptophan catabolic enzyme IDO2 is the preferred biochemical target of the antitumor indoleamine 2,3-dioxygenase inhibitory compound D-1-methyl-tryptophan.Metz R., Duhadaway J.B., Kamasani U., Laury-Kleintop L., Muller A.J., Prendergast G.C.Cancer Res. 67:7082-7087(2007)Research Topic:Cardiovascular

Note: This product is for in vitro research use only and is not intended for use in humans or animals.