

Recombinant Human Indoleamine 2,3-dioxygenase 2(IDO2),partial

Catalog No: #AP70418

Package Size: #AP70418-1 20ug #AP70418-2 100ug #AP70418-3 1mg

Description

Product Name	Recombinant Human Indoleamine 2,3-dioxygenase 2(IDO2),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:14-420aaSequence Info:Partial
Other Names	Indoleamine 2,3-dioxygenase-like protein 1Indoleamine-pyrrole 2,3-dioxygenase-like protein 1
Accession No.	Q6ZQW0
Calculated MW	61.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MEPHRPNVKTAVPLSLESYHISEEYGFLLPDSLKELPDHYRPWMEIANKLPQLIDAHQLQAHVDKMPLLSCQFL KGHREQRLAHLVLSFLTMGYVWQEGEAQPAEVLPRNLALPFVEVSRNLGLPPILVHSDLVLTNWTKKDPDGL EIGNLETIISFPGGESLHGFILVTALVEKEAVPGIKALVQATNAILQPNQEALLQALQRLRLSIQDITKTLGQMHDY VDPDIFYAGIRIFLSGWKDNPAMPAGLMYEGVSQEPLKYSGGSAQSTVLHAFDEFLGIRHSKESGDFLYRMR DYMPPSHKAFIEDIHSAPSLRDYILSSGQDHLLTAYNQCVCQALAEALRSYHITMVTLYLITAAAKAKHGKPNHLP PPQALKDRGTGGTAVMSFLKSVRDKTLESILHPRG
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 first and rate-limiting step in the kynurenine pathway of tryptophan catabolism.

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:Metabolism

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