

Recombinant Human IDO1 Protein

Catalog #	Source	Reactivity	Applications
CRP2725	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human IDO1 Protein is produced by E.coli expression system and the target gene encoding Met1-Gly403 is expressed with a 6His tag at the N-terminus.		
Form	Liquid in a 0.2 µm filtered solution of 20mM Sodium Acetate, 150mM NaCl and 20% Glycerol, pH4.5.		
Gene Symbol	IDO1		
Alternative Names	IDO; INDO; Indoleamine 2,3-dioxygenase 1; IDO-1; Indoleamine-pyrrole 2,3-dioxygenase		
Entrez Gene	3620 (Human)		
SwissProt	P14902 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>MNHKVVHHHH HMAHAMENSW TISKEYHIDE EVGFALPNPQ ENLPDFYNDW</p> <p>MFIAKHLPDL IESGQLRERV EKLNMLSIDH LTDHKSQRLA RLVLCITMA YVWGKGHGDV</p> <p>RKVLPRNIAV PYCQLSKKLE LPPILVYADC VLANWKKKDP NKPLTYENMD VLFSFRDGDC</p> <p>SKGFFLVSL VEIAAASAIK VIPTVFKAMQ MQERDTLLKA LLEIASCLEK ALQVFHQIHD</p> <p>HVNPKAFFSV LRIYLSGWKG NPQLSDGLVY EGFWEDPKEF AGGSAGQSSV FQCFDVLLGI</p> <p>QQTAGGGHAA QFLQDMRRYM PPAHRNFLCS LESNPSVREF VLSKGDAGLR EAYDACVKAL</p> <p>VLSRSYHLQI VTKYILIPAS QQPKENKTSE DPSKLEAKGT GGTDLMNFLK TVRSTTEKSL LKEG</p>		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Please minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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