

Product Data Sheet

Recombinant Human IDO1 Protein

Catalog #	Source	Reactivity	Applications
CRP2725	E. coli	H	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	MNHKVVHHHH HMAHAMENSW TISKEYHIDE EVGFALPNPQ ENLPDFYNDW MFIAKHLPDL IESGQLRERV EKLNMLSIDH LTDHKSQRLA RLVLCITMA YVWGKGHGDV RKVLPRNIAV PYCQLSKKLE LPPILVYADC VLANWKKKDP NKPLTYENMD VLFSFRDGDC SKGFFLVSL VEIAAASAIK VIPTVFKAMQ MQERDTLLKA LLEIASCLEK ALQVFHQIHD HVNPKAFFSV LRIYLSGWKG NPQLSDGLVY EGFWEDPKEF AGGSAGQSSV FQCFDVLLGI QQTAGGGHAA QFLQDMRRYM PPAHRNFLCS LESNPSVREF VLSKGDAGLR EAYDACVKAL VLSRSYHLQI VTKYILIPAS QQPKENKTSE DPSKLEAKGT GGTDLMNFLK TVRSTTEKSL LKEG		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize 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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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.

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