

Active Recombinant Human IDO1 Protein, His tagged

Cat. No. IDO1-20H Lot. No. (See product label)

SPECIFICATION

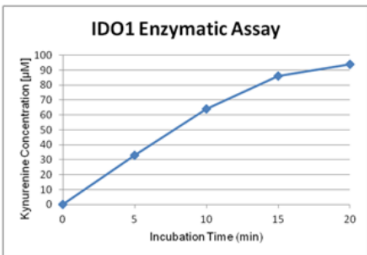
Product Overview	Active Recombinant Human IDO1 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Form	Liquid. 0.2µm-filtered solution in 10mM Tris, pH 7.5, containing 100mM NaCl and 20% glycerol.
Bio-activity	Specific Activity: > 100000 U/mg protein with L-tryptophan as substrate (activity assay with catalase). One unit is defined as the amount of enzyme that produces 1 nmol of N-formylkynurenine (NFK) per hour.
Molecular Mass	~47kDa (SDS-PAGE)
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.
Purity	≥ 90% (SDS-PAGE)
Storage	Short Term Storage: -20 centigrade; Long Term Storage: -80 centigrade. Stable for at least 1 year after receipt when stored at -80 centigrade. After opening, prepare aliquots and store at -80 centigrade. Avoid freeze/thaw cycles.

GENE INFORMATION

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Gene Name	IDO1 indoleamine 2,3-dioxygenase 1 [Homo sapiens (human)]												
Official Symbol	IDO1												
Synonyms	IDO1; indoleamine 2,3-dioxygenase 1; IDO, INDO, indoleamine pyrrole 2,3 dioxygenase; indole 2,3-dioxygenase; indolamine 2,3 dioxygenase; indoleamine-pyrrole 2,3-dioxygenase; IDO; INDO; IDO-1;												
Gene ID	3620												
mRNA Refseq	NM_002164												
Protein Refseq	NP_002155												
MIM	147435												
UniProt ID	P14902												
Activity	 <table border="1"> <caption>IDO1 Enzymatic Assay Data</caption> <thead> <tr> <th>Incubation Time (min)</th> <th>Kynurenine Concentration (µM)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>5</td><td>35</td></tr> <tr><td>10</td><td>65</td></tr> <tr><td>15</td><td>85</td></tr> <tr><td>20</td><td>95</td></tr> </tbody> </table> Activity assay of IDO1 (human) (rec.) (His) (highly active). Method: IDO1 (human) has been tested with a protocol using catalase. The specific activity has been calculated to be > 100000 U/mg protein with L-tryptophan as substrate (one unit is	Incubation Time (min)	Kynurenine Concentration (µM)	0	0	5	35	10	65	15	85	20	95
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