

Task Force on Repurposing of Drugs (TFORD) for COVID-19

Patent status in India: by GANLEX

Recombinant Human Angiotensin I Converting Enzyme 2 (ACE)**A. Active patents**

S.no.	Title	Assignee	Patent details	Type of patent	Remarks
1.	A Method of Producing a Coronavirus	Janssen Vaccines & Prevention B.V.	App no/Grant no: IN 288085 (866/CHENP/2008) Filing date: 21/07/2006 Grant date: 05/10/2017 Expected expiry date: 21/07/2026 Form 27: 'Patent does not cover a product which is currently under development'.	Method of producing a coronavirus harbouring a nucleic acid molecule encoding a human ACE2 protein (independent claim 1). & Method of inactivating or attenuating harvested coronavirus expressing human ACE2 protein	Patent barrier in India. However can be worked around
2.	ACE2 polypeptide	Apeiron Biologics AG.	App no/Grant no: IN 286666 (8197/DELNP/2009) Filing date: 12/06/2008 Grant date: 28/08/2017 Expected expiry date: 12/06/2028 Form 27: patented product has not been worked in India.	Recombinant glycosylated, soluble, human Angiotensin-Converting Enzyme 2 (ACE2) polypeptide, method for preparation of ACE2 pharmaceutical composition comprising ACE 2	Patent barrier for glycosylated recombinant ACE2 (under clinical trials as APN01)

B. Pending applications - None**C. Expired/Lapsed applications**

S.n o.	Title	Assignee	Patent/Application details	Type of patent	Remarks
1.	Nucleic acids, polypeptides, methods of expression, and immunogenic compositions associated with SARS corona virus spike protein	Institut Pasteur	App no: 7271/DELNP/2006 Filing Date: 03/06/2005 Status: deadline for filing request for examination has expired	Purified nucleic acid sequence encoding Spike protein & the purified polypeptide binding of the spike protein to ACE2-receptor.	No patent barrier
2.	ACE2 as a target gene for the molecular identification of yeast and fungal species	National University Of Ireland, Galway	App no: 4793/KOLNP/2010 Filing Date: 15/06/2009 Status: Application is refused under Section 15	A diagnostic kit for identification of the gene and method of detecting the target organism	No patent barrier

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3.	Modified ACE2 polypeptides	Apeiron Biologics AG	App no: 2149/KOLNP/2015 Filing Date: 13/01/2014 Status: Application is abandoned	Modified angiotensin converting enzyme 2 (ACE2) polypeptides & a composition of the same	No patent barrier
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Search results up to 21st May 2020

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