

CRISPR RNP Patent Status

US

Application No.	Category	Subject Matters	Guide RNA	Filing Date	Issue Date	Notice of Allowance	Remarks
18/467,952	Method of genome editing in a human cell (Molar Excess)	Editing a target DNA by introducing a preformed CRISPR RNP complex into a human cell (at least a two-fold molar excess of sgRNA over Cas9 protein)	sgRNA	2023-09-15	2025-11-18	2025-09-30	Granted (Patent No. 12,473,559)
18/932,745	Method of genome editing in a eukaryotic cell (Molar Ratio)	Editing a target DNA by introducing a preformed CRISPR RNP complex into a eukaryotic cell (specific molar ratio between sgRNA and Cas9 protein)	sgRNA	2024-10-31	TBD	2025-08-22	Notice of Allowance Issued
19/002,832	Method of genome editing in a eukaryotic cell (Molar Excess)	Editing a target DNA by introducing a preformed CRISPR RNP complex into a eukaryotic cell (at least a two-fold molar excess of sgRNA over Cas9 protein)	sgRNA	2024-12-27	TBD	2025-10-23	Notice of Allowance Issued
19/027,181	Method of producing a genome-modified non-human animal	Producing a genome-modified non-human animal by introducing a preformed CRISPR RNP complex into a non-human embryo	sgRNA, dgRNA	2025-01-17	TBD	2025-11-20	Notice of Allowance Issued
17/004,355	Method of genome editing in a plant cell	Editing a target DNA by introducing a preformed CRISPR RNP complex into a plant cell	sgRNA, dgRNA	2020-08-27			Pending
18/314,050	Method of genome editing in a eukaryotic cell	Editing a target DNA by introducing a preformed CRISPR RNP complex into a eukaryotic cell	sgRNA	2023-05-08			Pending
18/313,946	System for genome editing in a eukaryotic cell (Molar Excess)	CRISPR system comprising a preformed CRISPR RNP complex for genome editing in a eukaryotic cell (at least a two-fold molar excess of sgRNA over Cas9 protein)	sgRNA	2023-05-08			Pending
18/467,967	Composition for genome editing in a human cell	Composition comprising a preformed CRISPR RNP complex for genome editing in a human cell	sgRNA, dgRNA	2023-09-15			Pending
19/015,836	Method of genome editing in a eukaryotic cell (Back-up)	Editing a target DNA by introducing a preformed CRISPR RNP complex into a eukaryotic cell (subject to change)	sgRNA, dgRNA	2025-01-10			Ready for Examination
19/023,934	Method of producing a genome-modified eukaryotic cell	Producing an engineered eukaryotic cell by introducing a preformed CRISPR RNP complex	sgRNA	2025-01-16			Pending

Europe

Application No. (Publication No.)	Category	Subject Matters	Guide RNA	Filing Date	Issue Date	Intent to Grant	Remarks
17206792.8 (3346003)	Method of genome editing in a plant cell	Editing a target DNA by introducing a CRISPR RNP complex into a protoplast	sgRNA, dgRNA	2017-12-12	2021-06-09	2021-04-28	Maintained by Opposition Division (oral proceedings on '25.11.27)
24158339.2 (4357457)	Method of genome editing in a eukaryotic cell and Composition for the genome editing (Molar Ratio)	Editing a target DNA by introducing a CRISPR RNP complex into a eukaryotic cell (specific molar ratio between sgRNA and Cas9 protein)	sgRNA	2024-02-19	2024-10-16	2024-09-09	Granted, opposition proceedings pending
23183112.4 (4342987)	Method of genome editing in a eukaryotic cell	Editing a target DNA by introducing a preformed CRISPR RNP complex into a eukaryotic cell	sgRNA, dgRNA	2023-07-03	TBD	2025-12-19	Intent to Grant Issued
24165204.9 (4397760)	Method of genome editing in a mammalian cell	Editing a target DNA by introducing a composition comprising a Cas9 protein and sgRNA into a mammalian cell	sgRNA	2024-03-21	TBD	2025-11-28	Intent to Grant Issued
24165188.4 (4397759)	Method of genome editing in a mammalian cell (Molar Ratio)	Editing a target DNA by introducing a CRISPR RNP complex into a mammalian cell (specific molar ratio between sgRNA and Cas9 protein)	sgRNA	2024-03-21			Pending
25158862.0 (4549567)	Method of producing a genome-modified eukaryotic cell	Producing an engineered eukaryotic cell by introducing a preformed CRISPR RNP complex	sgRNA	2025-02-19			Pending
25158861.2 (4556564)	Method of producing a genome-modified non-human animal	Producing a genome-modified non-human animal by introducing a preformed CRISPR RNP complex into a non-human embryo	sgRNA, dgRNA	2025-02-19			Pending