

Cell line	Mutations	expected yield CFTR purified (μ g/billion cells)	Note regarding FLAG tag
D1197.F	WT (CHO)	10	with FLAG
D165	WT (HEK)	25	with FLAG
D992	Δ RI (CHO)	30	with FLAG
D727	Δ RI/S492P/A534P/I539T (CHO), i.e., Δ RI/2PT	30	with FLAG
D733	Δ RI/2PT/G550E/R553M/R555K	40	with FLAG
D1022	Δ RI/2PT/M470V (CHO)	60	with FLAG
D1012	Δ RI/2PT/M470V/S495P (CHO)	100	with FLAG
D1013	Δ RI/2PT/M470V/S495P/R555K (CHO)	100	with FLAG
D1264	Δ RI/S492P/M470V/S495P/R555K (CHO)	20	with FLAG
D744	Δ RI/2PT/F494N/S495P/G550E/R555K (CHO)	30	with FLAG

NBD2 mutations

D869	Δ RI/2PT/H1402S (CHO)	40	with FLAG
D872	Δ RI/2PT/M470V/H1402S (CHO)	50	with and without FLAG
D873	Δ RI/2PT/M470V/H1402A (CHO)	50	with FLAG
D1266	Δ RI/2PT/M470V/S495P/H1402S (CHO)	40	with FLAG
D1028.c	Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	100	with and without FLAG
D1045	Δ RI/2PT/M470V/S495P/R555K/H1402S (HEK)	300	with FLAG
D1247	Δ RI/2PT/M470V/S495P/R555K/E1371Q (CHO)	30	without FLAG
D805	Δ RI/2PT/S1359A (CHO)	20	with FLAG
D804	Δ RI/2PT/F494N/S495P/G550E/R555K/S1359A (CHO)	20	with FLAG
D742	Δ RI/2PT/S1255L/K1334G/S1359A/Q1411D (CHO)	20	with FLAG
D743	Δ RI/2PT/F494N/S495P/G550E/R555K/S1255L/K1334G/S1359A/Q1411D (CHO)	20	with FLAG

F508del

D1216.F	F508del (CHO)	< 5	with FLAG
D1265	F508del/ Δ RI/S492P/M470V/S495P/R555K (CHO)	15	with FLAG
D1200.F	F508del/ Δ RI/2PT/M470V/S495P/R555K (CHO)	25	with FLAG
D1042.c	F508del/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	50	with and without FLAG
D1187	F508del/ Δ RI/2PT/M470V/S495P/R555K/H1402S (HEK)	100	without FLAG
D1212.1.c	F508del/ Δ RI/2PT/M470V/S495P/R555K/E1371Q (CHO)	80	without FLAG
D1246	F508del/ Δ RI/2PT/M470V/S495P/R555K/E1371Q (HEK)	160	without FLAG

G551D

D870	G551D/ Δ RI/2PT/M470V (CHO)	50	with FLAG
D891	G551D/ Δ RI/2PT/M470V (HEK)	100	with FLAG
D1177.F	G551D/ Δ RI/2PT/M470V/S495P/R555K (CHO)	100	with FLAG

Rare mutations

D1245	N1303K/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	< 5	with FLAG
D1229	L1077P/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	data pending	with FLAG

D1231	P67L/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	data pending	with FLAG
D1232	R334W/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	data pending	with FLAG
D1233	R560T/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	data pending	with FLAG
D1374	W1282X/ Δ RI/2PT/M470V/S495P/R555K/H1402S (CHO)	5	with FLAG

Additional variants under construction

D755	S1255L/K1334G/S1359A/Q1411D (CHO)	10	with FLAG
non- Δ RI 6SS	2PT/M470V/S495P/R555K (CHO)	data pending	with FLAG
D874	F342A/ Δ RI/2PT/M470V (CHO)	data pending	with FLAG

Variants "with FLAG" contain the FLAG tag (DYKDDDDK) in ECL4, after residue 901.