Recombinant Human CFTR protein, GST-tagged

Cat. No. CFTR-275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFTR fused with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
Form	20 mM Tris-HCl, 0.15 M NaCl, pH 8.0
AA Sequence	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFE TLKVDFLSKLPE MLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIE AIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPRGSYQIIRRTLKQAFADC TVILCEHRIEAML ECQQFLVIEENKVRQYDSIQKLLNERSLFRQAISPSDRVKLFPHRNSSKCKSKPQIAA LKEETEEEVQDTRL
Storage	For long term storage, prepare aliquots and store at -20 ~ -80 centigrade. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	CFTR cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7) [Homo sapiens]

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Official Symbol	CFTR
Synonyms	CFTR; cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7); ABCC7, CF, cystic fibrosis transmembrane conductance regulator, ATP binding cassette (sub family C, member 7); cystic fibrosis transmembrane conductance regulator; ABC35; ATP binding cassette sub family C; member 7; CFTR/MRP; dJ760C5.1; MRP7; TNR CFTR; cAMP-dependent chloride channel; channel conductance-controlling ATPase; ATP-binding cassette sub-family C member 7; ATP-binding cassette transporter sub-family C member 7; CF; ABCC7; TNR-CFTR;
Gene ID	1080
mRNA Refseq	NM_000492
Protein Refseq	NP_000483
MIM	602421
UniProt ID	P13569
Chromosome Location	7q31-q32
Pathway	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem;
Function	ATP binding; ATP-binding and phosphorylation-dependent chloride channel activity;

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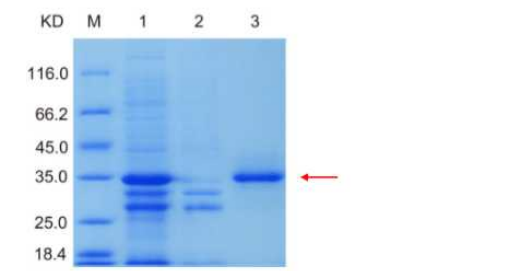
	ATPase activity; PDZ domain binding; channel-conductance-controlling ATPase activity; chloride channel activity; enzyme binding; hydrolase activity; ion channel activity; nucleotide binding; protein binding;
	 Lane M: Protein Marker; Lane 1: Un-purified; Lane 2: Flow through; Lane 3: Elution

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