

Recombinant Human CFTR protein, His-tagged

Cat. No. CFTR-277H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFTR protein(NP_000483)(1210-1480 aa), fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1210-1480 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	MTVKDLTAKYTEGGNAILENISFSISPGQRVGLLGRTGSGKSTLLSAFLRLLNTEGEIQ IDGVSWDSITLQQWRKAFGVIPQKVFIFSGTFRKNLDPYEQWSDQEIWKVADEVGLR SVIEQFPGKLDVFLVDGGCVLSHGKQLMCLARSVLSKAKILLLDEPSAHLDPVTYQII RRTLKQAFADCTVILCEHRIEAMLECCQFLVIEENKVRQYDSIQKLLNERSLFRQAISP SDRVKLFPHRNSSKCKSKPQIAALKEETEEEVQDTRL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).

If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).

Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION
Gene Name

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

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);

Gene ID

1080

mRNA Refseq

NM_000492.3

Protein Refseq

NP_000483

MIM

602421

UniProt ID

P13569

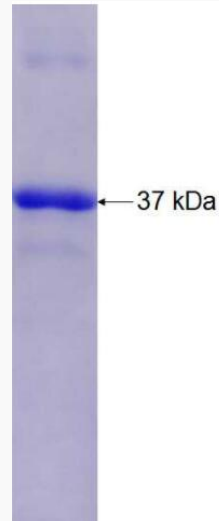
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SDS-PAGE



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