

## Recombinant Human CFTR protein, His-tagged

**Cat. No.** CFTR-278H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CFTR protein(NP_000483)(1-80 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-80 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	MQRSPLEKASVVSKLFFSWTRPILRKGYRQRLELSDIYQIPSVDSADNLSEKLEREW DRELASKKNPKLINALRRCFFWR
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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