

Recombinant Human CFTR Protein, GST-Tagged

Cat. No. CFTR-1181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CFTR partial ORF (NP_000483, 1381 a.a. - 1480 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MRP subfamily that is involved in multi-drug resistance. The encoded protein functions as a chloride channel and controls the regulation of other transport pathways. Mutations in this gene are associated with the autosomal recessive disorders cystic fibrosis and congenital bilateral aplasia of the vas deferens. Alternatively spliced transcript variants have been described, many of which result from mutations in this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	36.74 kDa
AA Sequence	YQIIRRTLKQAFADCTVILCEHRIEAMLECCQQLVIEENKVRQYDSIQKLLNERSLFRQ AISPDRVKLFPHRNSSKCKSKPQIAALKEETEEVQDTRL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production
Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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); 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

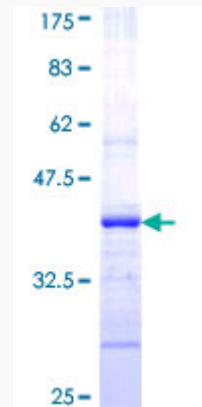
Protein Refseq NP_000483

MIM 602421

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UniProt ID**P13569****Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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