

# Human Fumarase Recombinant Protein



RPPB1652

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## Product Information    Protein Information

**Product SKU:**

RPPB1652

**Accession:**

P07954

**Host:**

Escherichia Coli.

**Protein description:**

Fumarase Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 467 amino acids (44-510) and having a molecular mass of 50.2 kDa. Fumarate Hydratase is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

MCL, LRCC, HLRCC, MCUL1, FH, Fumarate hydratase, Fumarase.

**Formulation:**

The Fumarase protein solution (1mg/ml) contains 20mM Tris-HCl, pH-8.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MASQNSFRIE YDTFGELKVP NDKYYGAQTV RSTMNFKIGG VTERMPTPVI KAFGILKRAA AEVNQDYGLD  
PKIANAIMKA ADEVAEGKLN DHFPLVVWQT GSGTQTNMNV NEVISNRAIE MLGGELGSKI PVHPNDHVNK  
SQSSNDTFPT AMHIAAAIEV HEVLLPGLQK LHDALDAKSK EFAQIIGR THTQDAVPLT LGQEFSGYVQ  
QVKYAMTRIK AAMPRIYELA AGGTAVGTGL NTRIGFAEKV AAKVAALTGL PFVTAPNKFE ALAAHDALVE  
LSGAMNTTAC SLMKIANDIR FLGSGPRSL GELIPENEP GSSIMPGKVN PTQCEAMTMV AAQVMGNHVA  
VTVGGSNGHF ELNVFKPMI KNLHSARLL GDASVSFTEN CVVGIQANTE RINKLMNESL MLVTALNPHI  
GYDKAAKIAK TAHKNGSTLK ETAIELGYLT AEQFDEWVKP KDMLGPK.

**Biological Activity:**

Specific activity is > 25 unit/mg, and is defined as the amount of enzyme that cleaves 1umole of L-Malate to Fumarate per minute at pH 7.5 at 37°C.