



Recombinant Protein Technical Manual

Recombinant Human CTHRC1 Protein (His Tag)

RPES1188

Product Data:

Product SKU: RPES1188

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q96CG8

Protein Information:

Molecular Mass: 24.1 kDa

AP Molecular Mass: 31 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Collagen triple helix repeat-containing protein 1; Protein NMTC1; CTHRC1

Immunogen Information:

Sequence: Ser31-Lys243

Background:

Collagen triple helix repeat-containing protein 1 is a protein that in humans is encoded by the CTHRC1 gene. It acts as a negative regulator of collagen matrix deposition. It may cause the disease of Barrett esophagus . Patients with Barrett esophagus have an increased risk of esophageal adenocarcinoma. The main cause of Barrett esophagus is gastroesophageal reflux. The retrograde movement of acid and bile salts from the stomach into the esophagus causes prolonged injury to the esophageal epithelium and induces chronic esophagitis, which in turn is believed to trigger the pathologic changes.