

RNF43 active protein

RNF43 Protein, Human, Recombinant (hFc Tag)

CATALOG #
AAA258047

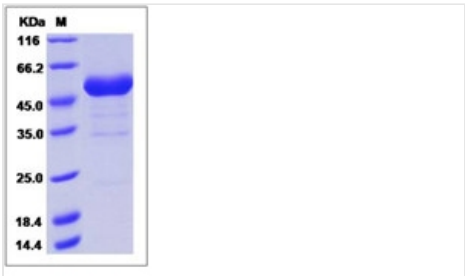
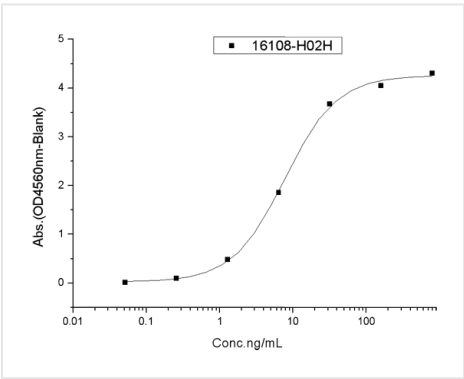
HOST
HEK293 Cells

PRODUCT SYNONYMS

RNF43; RNF43 Protein; Human; Recombinant (hFc Tag); Human RNF43 Protein (Fc Tag); RNF124 Protein; URCC Protein; ring finger protein 43; RNF43 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Tyr19 7
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gly 24
Tag	C-human IgG1-Fc
Protein Construction	A DNA sequence encoding the human RNF43 (NP_060233.3)(Met1-Tyr197) was expressed with the Fc region of human IgG1 at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	Measured by its binding ability in a functional ELISA. Immobilized Human RSPO3 His at 2ug/ml (100uL/well) can bind Human RNF43 hFc. The EC50 of Human RNF43 hFc is 3.0-12.0ng/mL
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized Human RSPO3 His at 2 ug/ml (100 ul/well) can bind Human RNF43 hFc, the EC50 of Human RNF43 hFc is 3.0-12.0 ng/mL

ADDITIONAL INFORMATION

Related Product Information for RNF43 active protein

Background: RNF43 mutations are frequently detected in colorectal cancer cells and lead to a loss of function of the ubiquitin E3 ligase. The outer mitochondrial membrane 34 (TOMM34) and ring finger protein 43 (RNF43) as highly expressed oncogenes in malignant colorectal tumors. RNF43 is a tumour suppressor gene that suppresses the Wnt-beta-catenin signalling pathway.

NCBI AND UNIPROT INFORMATION

NCBI GI #	56711322
NCBI GeneID	54894
NCBI Accession #	NP_060233.3
NCBI GenBank Nucleotide #	NM_017763.4
UniProt Accession #	Q68DV7; Q65ZA4; Q6AI04; Q9NXD0; A8K4R2; B7Z443; B7Z5D5; B7Z5J5
Molecular Weight	85,722 Da
NCBI Official Full Name	E3 ubiquitin-protein ligase RNF43
NCBI Official Synonym Full Names	ring finger protein 43
NCBI Official Symbol	RNF43
NCBI Official Synonym Symbols	URCC; RNF124
NCBI Protein Information	E3 ubiquitin-protein ligase RNF43
UniProt Protein Name	E3 ubiquitin-protein ligase RNF43
UniProt Gene Name	RNF43
UniProt Entry Name	RNF43_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.