

YTHDC2 recombinant protein

Recombinant YTHDC2 protein

CATALOG # AAA60174	HOST Baculovirus
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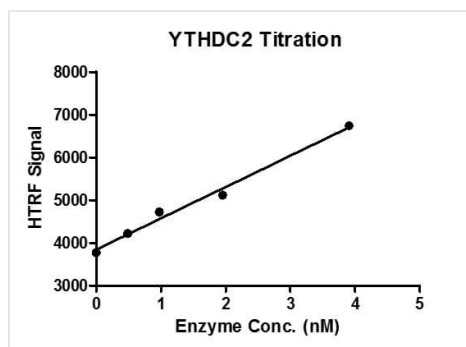
PRODUCT SYNONYMS

YTHDC2; Recombinant YTHDC2 protein; YTH Domain Containing 2; YTHDC2 recombinant protein

PRODUCT SPECIFICATIONS

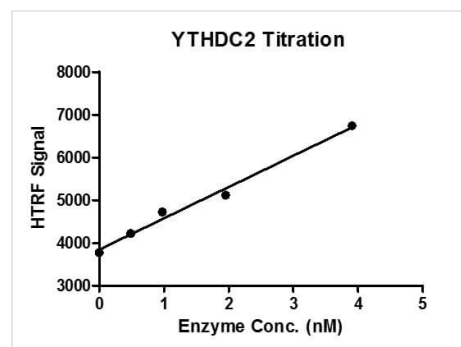
Host	Baculovirus
Form/Format	Recombinant YTHDC2 protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant YTHDC2 protein is suitable for use in the study of binding assay, inhibitor screening, and selectivity profiling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



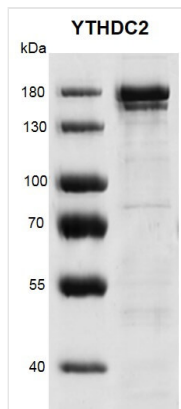
Application Data

Recombinant YTHDC2 binding assay 3 μ M biotinylated ssDNA m6A oligos (GTTGG/m6A/CTT) were incubated with different concentrations of YTHDC2 protein in a 10 μ l system containing 50 mM HEPES-NaOH pH 7.4, and 0.1% BSA for 1 hour, then 10 μ l DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution reaction buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



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SDS-PAGE

Recombinant YTHDC2 protein gel 8% SDS-PAGE Coomassie staining MW: 161.5 kDa Purity: >87%

ADDITIONAL INFORMATION

Related Product Information for YTHDC2 recombinant protein	Short Description: Recombinant YTHDC2 protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_073739.3) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 161.5 kDa. It is suitable for use in binding assays, inhibitor screening, and selectivity profiling. Background: YTHDC2 (YTH Domain Containing 2), is a member of the DEAH (Asp-Glu-Ala-His) subfamily of proteins, part of the DEAD (Asp-Glu-Ala-Asp) box family of RNA helicases. It specifically recognizes and binds to N6-methyladenosine (m6A), a common modified RNA nucleotide that is enriched in the stop codons and 3' UTRs of eukaryotic mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability. YTHDC2 may be associated with susceptibility to pancreatic cancer in human patients, and knockdown of this gene resulted in reduced proliferation in a human liver cancer cell line.
Product Categories/Family for YTHDC2 recombinant protein	Recombinant Proteins ; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	269847874
NCBI GeneID	64848
NCBI Accession #	NP_073739.3
NCBI GenBank Nucleotide #	NM_022828.4
UniProt Accession #	Q9H6S0; B2RP66
Molecular Weight	160,248 Da
NCBI Official Full Name	probable ATP-dependent RNA helicase YTHDC2 isoform 1
NCBI Official Synonym Full Names	YTH domain containing 2
NCBI Official Symbol	YTHDC2
NCBI Official Synonym Symbols	CAHL
NCBI Protein Information	probable ATP-dependent RNA helicase YTHDC2
UniProt Protein Name	Probable ATP-dependent RNA helicase YTHDC2
UniProt Gene Name	YTHDC2

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.

