

Recombinant Human TTC8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TTC8-1155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TTC8 MS Standard C13 and N15-labeled recombinant protein (NP_938051) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that has been directly linked to Bardet-Biedl syndrome. The primary features of this syndrome include retinal dystrophy, obesity, polydactyly, renal abnormalities and learning disabilities. Experimentation in non-human eukaryotes suggests that this gene is expressed in ciliated cells and that it is involved in the formation of cilia. A mutation in this gene has also been implicated in nonsyndromic retinitis pigmentosa. Alternative splicing results in multiple transcript variants.
Molecular Mass	57.3 kDa
AA Sequence	MSSEMEPLLLAWSYFRRRKFLCADLCTQMLEKSPYDQAAWILKARALTEMVYIDEI DVDQEGIAEMMLDENAIQVPRPGTSLKLPGTNQTGGPSQAVRPITQAGRPITGFLR PSTQSGRPGTMEQAIRTPRTAYTARPITSSSGRFVRLGTASMLTSPDGPFINLSRLN LTKYSQKPKLAKALFEYIFHHENDVK TALDLAALSTEHSQYKDWKWKVQIGKCYRRL GMYREAEKQFKSALKQQEMVDTFLYLAKVYVSLDQPVTALNLFKQGLDKFPGEVTL LCGIARIYEEMNNMSSAAEYYKEVLKQDNTHVEAIACIGSNHFYSDQPEIALRFYRRL

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LQMGIYNGQLFNNLGLCCFYAQYDMTLTSFERALSLAENEEEAADVWYNLGHVAV
GIGDTNLAHQCFRLALVNNNNHAEAYNNLAVLEMKGHVEQARALLQTASSLAPHM
YEPHFNFATISDKIGDLQRSYVAAQKSEAAFPDHVDTQHLLIKQLRQHFAMLTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TTC8 tetratricopeptide repeat domain 8 [Homo sapiens (human)]

Official Symbol TTC8

Synonyms TTC8; tetratricopeptide repeat domain 8; tetratricopeptide repeat protein 8; BBS8; TPR repeat protein 8; Bardet-Biedl syndrome type 8; bardet-Biedl syndrome 8 protein; RP51;

Gene ID 123016

mRNA Refseq NM_198309

Protein Refseq NP_938051

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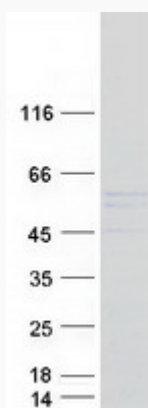
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MIM 608132

UniProt ID Q8TAM2

SDS-PAGE



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