

Recombinant Human IFT52 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IFT52-3954H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IFT52 MS Standard C13 and N15-labeled recombinant protein (NP_057088) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a conserved proline-rich protein that is a component of the intraflagellar transport-B (IFT-B) core complex. The encoded protein is essential for the integrity of the IFT-B core complex, and for biosynthesis and maintenance of cilia. Mutations in this gene are associated with ciliopathy that affects the skeleton.
Molecular Mass	49.7 kDa
AA Sequence	MEKELRSTILFNAYKKEIFTTNNGYKSMQKKLRSNWKIQSLKDEITSEKLNQVGLWIT AGPREKFTAAEFELKKYLDTGGDVFMVLGEGGESRFDTNINFLLEEYGIMVNNDV VRNVYHKYFHPKEALVSSGVLNREISRAAGKAVPGIIDEESSGNNAQALTFVYPFGA TLSVMKPAVAVLSTGSVCPLNRPILAFYHSHKNQGGKLAVLGSCHMFSDQYLDKEE NSKIMDVVFQWLTTGDIHLNQIDAEDPEISDYMMPLPYTATLSKRNRECLQESDEIPRD FTTFLDLSIFQLDTSFHSVIEAHEQLNVKHEPLQLIQPFETPLPLQPAVFPSPFRE LPPPPLELFDLDETFSSSEKARLAQITNKCTEEDLEFYVRKCGDILGVTSKLPKDQQDA KHILEHVFFQVVEFKKLNQEHIDTSETAFQNNFTRTRPLEQKLISEEDLAANDILDYK DDDDKV

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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.

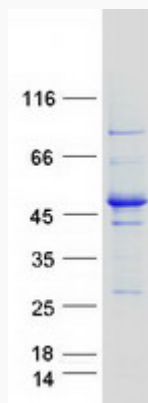
GENE INFORMATION

Gene Name	IFT52 intraflagellar transport 52 [Homo sapiens (human)]
Official Symbol	IFT52
Synonyms	intraflagellar transport 52 homolog (Chlamydomonas); 15901; Ensembl:ENSG00000101052; intraflagellar transport protein 52 homolog;protein NGD5 homolog; NGD2; NGD5; CGI-53; C20orf9; dJ1028D15.1
Gene ID	51098
mRNA Refseq	NM_016004
Protein Refseq	NP_057088
MIM	617094
UniProt ID	Q9Y366

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SDS-PAGE

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