

Product datasheet for PH308044

IFT52 (NM_016004) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IFT52 MS Standard C13 and N15-labeled recombinant protein (NP_057088)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208044
Predicted MW:	49.7 kDa
Protein Sequence:	>RC208044 protein sequence Red =Cloning site Green =Tags(s)

MEKELRSTILFNAYKKEIFTTNNGYKSMQKKLRSNWKIQSLKDEITSEKLNQVGLWITAGPREKFTAAEF
 EILKKYLDTGDDVFVMLGEGGESRFDTNINFLLEEYGYMNVNDAYVRNVYHKYFHPKEALVSSGVLNREI
 SRAAGKAVPGIIDEESSGNNALTFVYPFGATLSVMKPAVAVLSTGSVCPLNRPILAFYHSKNQGGKL
 AVLGSCHMFSDQYLDKEENSKIMDVVFQWLTTGDIHLNQIDAEDPEISDYMLPYATLSKRNRCLQES
 DEIPRDFTTLDLSIFQLDTSFHSVIEAHEQLNVKHEPLQLIQPFETPLPTLQPAVFPPSFRELPPPP
 LELFDLDETFSSSEKARLAQITNKCTEEDLEFYVRKCGDILGVTSLPKDQQDAKHILEHVFFQVVEFKKL
 NQEHIDTSETAFQNNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057088</u>
RefSeq Size:	1675
RefSeq ORF:	1311
Synonyms:	C20orf9; CGI-53; NGD2; NGD5


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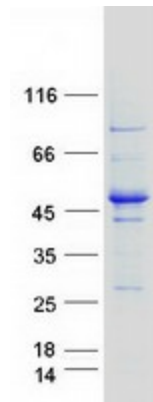
Locus ID: 51098

UniProt ID: [Q9Y366](#)

Cytogenetics: 20q13.12

Summary: 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. [provided by RefSeq, Oct 2016]

Product images:



Coomassie blue staining of purified IFT52 protein (Cat# [TP308044]). The protein was produced from HEK293T cells transfected with IFT52 cDNA clone (Cat# [RC208044]) using MegaTran 2.0 (Cat# [TT210002]).