# Recombinant Human IFT74 Protein, His-tagged

**Cat. No.** IFT74-1393H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human IFT74 protein, fused to His tag at N-terminus, was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **Description** | This gene encodes a core intraflagellar transport (IFT) protein which belongs to a multi-protein complex involved in the transport of ciliary proteins along axonemal microtubules. IFT proteins are found at the base of the cilium as well as inside the cilium, where they assemble into long arrays between the ciliary base and tip. This protein, together with intraflagellar transport protein 81, binds and transports tubulin within cilia and is required for ciliogenesis. Naturally occurring mutations in this gene are associated with amyotrophic lateral sclerosis--frontotemporal dementia and Bardet-Biedl Syndrome. [provided by RefSeq, Mar 2017] |
| **Form** | 25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. |
| **Molecular Mass** | 69.1 kDa |
| **Purity** | >50 ug/mL as determined by microplate BCA method |
| **Concentration** | >50 ug/mL as determined by microplate BCA method |

## GENE INFORMATION

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| **Gene Name** | IFT74 intraflagellar transport 74 homolog (Chlamydomonas) [ Homo sapiens ] |
| **Official Symbol** | IFT74 |
| **Synonyms** | BBS20; CCDC2; CMG-1; CMG1 |
| **Gene ID** | 80173 |
| **mRNA Refseq** | NM_001099222 |
| **Protein Refseq** | NP_001092692 |
| **MIM** | 608040 |
| **UniProt ID** | Q96LB3 |

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