Recombinant Human IFT88 293 Cell Lysate

Cat. No. IFT88-5270HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for intraflagellar transport 88 homolog (Chlamydomonas) (IFT88), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	IFT88 intraflagellar transport 88 homolog (Chlamydomonas) [Homo sapiens]
Official Symbol	IFT88
Synonyms	IFT88; intraflagellar transport 88 homolog (Chlamydomonas); tetratricopeptide repeat domain 10 , TTC10; intraflagellar transport protein 88 homolog; D13S1056E; hTg737; MGC26259; polaris homolog; Tg737; TPR repeat protein 10; tetratricopeptide repeat domain 10; tetratricopeptide repeat protein 10; recessive polycystic kidney disease protein Tg737 homolog; probe hTg737 (polycystic kidney disease, autosomal recessive); DAF19; TG737; TTC10; RP11-172H24.2;
Gene ID	8100
mRNA Refseq	NM_175605
Protein Refseq	NP_783195
MIM	600595
UniProt ID	Q13099
Chromosome Location	13q12.1
Pathway	Endochondral Ossification, organism-specific biosystem; Hedgehog signaling events

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	mediated by Gli proteins, organism-specific biosystem;
Function	binding;

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