

Recombinant Human ODF2 293 Cell Lysate

Cat. No. ODF2-3598HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for outer dense fiber of sperm tails 2 (ODF2), 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ODF2 outer dense fiber of sperm tails 2 [Homo sapiens]
Official Symbol	ODF2
Synonyms	ODF2; outer dense fiber of sperm tails 2; outer dense fibre of sperm tails 2; outer dense fiber protein 2; cancer/testis antigen 134; CT134; ODF84; cenexin 1; sperm tail structural protein; outer dense fiber of sperm tails, 84-kD; ODF2/1; ODF2/2; MGC9034; FLJ44866; MGC111096;
Gene ID	4957
mRNA Refseq	NM_001242352
Protein Refseq	NP_001229281
MIM	602015
UniProt ID	Q5BJF6
Chromosome Location	9q34
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-

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specific biosystem;

Function

protein binding; structural molecule activity;

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