Recombinant Human DRG1 293 Cell Lysate

Cat. No. DRG1-6815HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for developmentally regulated GTP binding protein 1 (DRG1) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	DRG1 developmentally regulated GTP binding protein 1 [Homo sapiens]
Official Symbol	DRG1
Synonyms	developmentally regulated GTP binding protein 1; 3029; Ensembl:ENSG00000185721; DKFZp434N1827; developmentally-regulated GTP-binding protein 1;DRG-1;NEDD-3;developmentally regulated GTP-binding protein 1;neural precursor cell expressed, developmentally down-regulated 3;neural precursor cell expressed developmentally down-regulated protein 3; NEDD3
Gene ID	4733
mRNA Refseq	NM_004147.3
Protein Refseq	NP_004138.1
MIM	603952
UniProt ID	Q9Y295
Chromosome Location	22q12.2
Function	GTP binding; protein binding; transcription factor binding;

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