

Recombinant Human NPTN 293 Cell Lysate

Cat. No. NPTN-3727HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for neuroplastin (NPTN), transcript variant a 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	NPTN neuroplastin [Homo sapiens]
Official Symbol	NPTN
Synonyms	NPTN; neuroplastin; SDFR1, stromal cell derived factor receptor 1; GP55; GP65; np55; np65; SDR1; SDR-1; stromal cell-derived receptor 1; stromal cell derived factor receptor 1; SDFR1; MGC102805; DKFZp686L2477;
Gene ID	27020
mRNA Refseq	NM_001161363
Protein Refseq	NP_001154835
MIM	612820
UniProt ID	Q9Y639
Chromosome Location	15q24.1
Function	cell adhesion molecule binding; type 1 fibroblast growth factor receptor binding;

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