

Recombinant Mouse Paxx Protein, Myc/DDK-tagged

Cat. No. Paxx-4689M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length non-homologous end joining factor (Paxx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in non-homologous end joining (NHEJ), a major pathway to repair double-strand breaks in DNA. May act as a scaffold required to stabilize the Ku heterodimer, composed of XRCC5/Ku80 and XRCC6/Ku70, at DNA ends and thus promote assembly and/or stability of the NHEJ machinery at double-strand break sites.
Molecular Mass	22 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Paxx non-homologous end joining factor [Mus musculus (house mouse)]
Official Symbol	Paxx
Synonyms	Paxx; non-homologous end joining factor; D930050G13Rik; protein PAXX; paralog of XRCC4 and XLF
Gene ID	227622
mRNA Refseq	NM_153557
Protein Refseq	NP_705785
UniProt ID	Q8K0Y7

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