

Active Recombinant Mouse Epyc Protein, His-tagged

Cat. No. Epyc-594M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Epyc (Accession # NP_031910) Ala20-Ile322, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
ProteinLength	Ala20-Ile322
Predicted N Terminal	Ala20
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to inhibit the adhesion of Saos-2 human osteosarcoma cells to human Fibronectin. When 5×10^4 cells/well are added to Mouse DSPG3 and Human Fibronectin (0.5 µg/mL) coated plates, the cell adhesion is enhanced in a dose dependent manner. The ED50 for this effect is typically 0.3 - 1.2 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Mouse Epyc, His-tagged has a calculated MW of 36.2 kDa. In SDS-PAGE migrates as 52-57 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).
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GENE INFORMATION

Gene Name	Epyc epiphycan [Mus musculus (house mouse)]
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Official Symbol	Epyc
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Synonyms	Dspg3; PG-Lb; SLRR3B; epiphycan; epiphycan; dermatan sulfate proteoglycan 3; dermatan sulphate proteoglycan 3; proteoglycan-Lb; small chondroitin/dermatan sulfate proteoglycan
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Gene ID	13516
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mRNA Refseq	NM_007884.2
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Protein Refseq	NP_031910.1
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MIM	
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UniProt ID	P70186
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Chromosome Location	10 50.35 cM; 10 C2-C3
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