

Active Recombinant Rat Eng, Fc Chimera

Cat. No. Eng-638R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Eng (Accession # NP_001010968) was produced in Mouse myeloma cell line, NS0-derived.
Species	Rat
Source	Mammalian Cells
Predicted N Terminal	Glu26
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat Endoglin/CD10 ⁵ Fc Chimera is immobilized at 2 µg/mL (100 µ/well), the concentration of Recombinant Mouse TGF-beta RI/ALK-5 Fc Chimera that produces 50% of the optimal binding response is found to be approximately 0.25-1.25 µg/mL. Measured by its ability to inhibit BMP-10-induced alkaline phosphatase production by MC3T3-E1 mouse preosteoblast cells. The ED50 for this effect is typically 0.15-0.75 µg/mL.
Molecular Mass	Recombinant Rat Eng, Fc Chimera has a calculated MW of 87.0 kDa (monomer). In SDS-PAGE migrates as 100-115 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
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

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months (-70°C).

GENE INFORMATION**Gene Name** Eng endoglin [Rattus norvegicus]**Official Symbol** Eng**Synonyms** ENG; endoglin; MGC124909;**Gene ID** 497010**mRNA Refseq** NM_001010968**Protein Refseq** NP_001010968**MIM** 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