

Active Recombinant Rat Efna5 protein, Fc-tagged

Cat. No. Efna5-1574R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Efna5(Met 1-Glu 202) fused with Fc region of human IgG1 tag at C-terminal was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met 1-Glu 202
Predicted N Terminal	Phe 17
Form	Lyophilized from sterile PBS, pH 7.41. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant Rat EPFA4 Protein (His Tag) at 10 µg/mL (100 µl/well) can bind Recombinant rat EFNA5-Fc with a linear range of 7.8-12.5 ng/ml.
Molecular Mass	The recombinant rat EFNA5/Fc is a disulfide-linked homodimer. The reduced monomer comprises 423 amino acids and predicts a molecular mass of 48 kDa. The apparent molecular mass of the rat EFNA5/Fc monomer is approximately 55 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Efna5 ephrin A5 [Rattus norvegicus]
Official Symbol	Efna5
Synonyms	EFNA5; ephrin A5; ephrin-A5; AL-1; LERK-7; eph-related receptor tyrosine kinase ligand 7; Lerk7;
Gene ID	116683
mRNA Refseq	NM_053903
Protein Refseq	NP_446355

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MIM	
UniProt ID	P97605
Chromosome Location	9q37
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	chemorepellent activity; chemorepellent activity; ephrin receptor binding; ephrin receptor binding; ephrin receptor binding;

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