

Active Recombinant Cynomolgus EFNA5 protein, Fc-tagged

Cat. No. EFNA5-1431C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus Efna5(Met1-Asn203) fused with Fc region of human IgG1 tag at C-terminal was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Asn203
Predicted N Terminal	Gln 21
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 Cynomolgus EFNA5-Fc at 10 µg/mL (100 µl/well) can bind biotinylated Cynomolgus EPHA4. The EC50 of biotinylated Cynomolgus EPHA4 is 9.3-21.6 ng/mL.
Molecular Mass	The recombinant cynomolgus EFNA5/Fc is a disulfide-linked homodimer The reduced monomer consists of 424 amino acids and has a calculated molecular mass of 48.2 kDa. The apparent molecular mass of the reduced cynoEFNA5/Fc monomer is approximately 48 KDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 92 % 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 [<i>Macaca fascicularis</i>]
Official Symbol	EFNA5
Synonyms	ephrin-A5; EPH-related receptor tyrosine kinase ligand 7
Gene ID	102141609
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	

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Chromosome Location	chromosome: 6
Pathway	Axon guidance, organism-specific biosystem; PI3K-Akt signaling pathway, organism-specific biosystem; Rap1 signaling pathway, conserved biosystem