

Active Recombinant Canine EFNA5 protein, Fc-tagged

Cat. No. EFNA5-993C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Canine Efna5(Met1-Asn203) fused with Fc region of human IgG1 tag at C-terminal was expressed in HEK293.
Species	Canine
Source	HEK293
ProteinLength	Met1-Asn203
Predicted N Terminal	Gln 21
Form	Lyophilized from sterile PBS, pH 7.4.1. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
Bio-activity	Immobilized human EPHA3-His at 10 µg/ml (100 µl/well) can bind canine EFNA5-Fc, The EC50 of canine EFNA5-Fc is 11.5-26.7 ng/ml.
Molecular Mass	The recombinant canine EFNA5/Fc is a disulfide-linked homodimer. The reduced monomer comprises 424 amino acids and has a predicted molecular mass of 48.2 kDa. The apparent molecular mass of the protein is approximately 55-60 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	> 95 % 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	LOC608458 ephrin-A5-like [<i>Canis lupus familiaris</i>]
Official Symbol	EFNA5
Synonyms	EFNA5; ephrin-A5
Gene ID	608458
mRNA Refseq	XM_845489
Protein Refseq	XP_850582
MIM	

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UniProt ID	
Chromosome Location	chromosome: 3
Pathway	Axon guidance; PI3K-Akt signaling pathway

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