DR6/TNFRSF21 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77352
Synonyms:	Tumor necrosis factor receptor superfamily member 21; CD358; Tnfrsf21; DR6
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_005552846 (Q42-L350)
Gene ID:	101925746
Molecular Weight:	Approximately 55-75 kDa.

PROPERTIES

AA Sequence	Q P E Q K A S N L I G T Y R H V D R A T G Q V L T C D K C P A G T Y V S E H C T N T S L R V C S S C P V G T F T R H E N G I E K C H D C S Q P C P W P M I E K L P C A A L T D R E C T C P P G M F Q S N A T C A P H T V C P V G W G V R K K G T E T E D V R C K Q C A R G T F S D V P S S V M K C K A Y T D C L S Q N L V V I K P G T K E A D N V C G T L P S F S S S T S P S P G T A I F S R P E H M D S H E V P S S T Y V P K G M N S T E S N S S A S V R P K V L S S I Q E G T V P D N T S S A R G K E D V N K T L P N L Q V V N H Q Q G P H H R H I L K L L P S M E A T G G E K S S T P I K G P K R G H P R Q N L H K H F D I N E H L
Biological Activity	Measured by its binding ability in a functional ELISA. When recombinant human APP770 is coated at 2 μg/mL (100 μL/well) can bind Recombinant Cynomolgus DR6. The ED_{50} for this effect is 368.4 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Tnfrsf21 Protein promotes apoptosis, possibly via a pathway that involves the activation of NF-kappa-B, and can promote

apoptosis mediated by BAX and by the release of cytochrome c from the mitochondria into the cytoplasm. Tnfrsf21 Protein plays a role in neuronal apoptosis, including apoptosis in response to amyloid peptides derived from APP, and is required for both normal cell body death and axonal pruning. Tnfrsf21 Protein also acts as a regulator of pyroptosis: recruits CASP8 in response to reactive oxygen species (ROS) and subsequent oxidation, leading to activation of GSDMC[1][2][3].

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