DR6/TNFRSF21 Protein, Human (His-SUMO)

Cat. No.:	HY-P700505
Synonyms:	Death receptor 6; CD358
Species:	Human
Source:	E. coli
Accession:	O75509 (R371-L655)
Gene ID:	27242
Molecular Weight:	48 kDa

PROPERTIES

AA Sequence	R K S S R T L K K G P R Q D P S A I V E K A G L K K S M T P T Q N R E K W I Y Y C N G H G I D I L K L V A A Q V G S Q W K D I Y Q F L C N A S E R E V A A F S N G Y T A D H E R A Y A A L Q H W T I R G P E A S L A Q L I S A L R Q H R R N D V V E K I R G L M E D T T Q L E T D K L A L P M S P S P L S P S P I P S P N A K L E N S A L L T V E P S P Q D K N K G F F V D E S E P L L R C D S T S S G S S A L S R N G S F I T K E K K D T V L R Q V R L D P C D L Q P I F D D M L H F L N P E E L R V I E E I P Q A E D K L D R L F E I I G V K S Q E A S Q T L L D S V Y S H L P D L L
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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.
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	The DR6/TNFRSF21 Protein has multiple roles in promoting apoptosis, including activation of NF-kappa-B and apoptosis mediated by BAX and cytochrome c release from the mitochondria. It is involved in neuronal apoptosis triggered by amyloid peptides, contributing to both cell body death and axonal pruning. Additionally, it negatively regulates oligodendrocyte survival, maturation, and myelination. The protein also plays a crucial role in T-cell signaling, adaptive immune response, and the regulation of T-cell differentiation and proliferation. It inhibits T-cell responses and the release of cytokines, as well

as the production of IgG, IgM, and IgM in response to antigens. Furthermore, it acts as a regulator of pyroptosis, recruiting CASP8 upon reactive oxygen species (ROS) stimulation and oxidation, leading to GSDMC activation. The DR6/TNFRSF21 Protein interacts with NGFR, CASP8, and N-APP and associates with TRADD.

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