

Product datasheet for **TP727437**

Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Ectodysplasin A2 Receptor/EDA2R/TNFRSF27 (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met1-Thr138
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Ectodysplasin A2 Receptor is produced by our Mammalian expression system and the target gene encoding Met1-Thr138 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Synonyms:	Ectodysplasin A2 receptor; EDA-A2 receptor; EDA-A2R; Tumor necrosis factor receptor superfamily member XEDAR; Tumor necrosis factor receptor superfamily member 27; X-linked ectodysplasin-A2 receptor; EDAA2R; TNFRSF27; XEDAR; EDAR2
Summary:	Tumor necrosis factor receptor superfamily member 27, also known as XEDAR and EDA2R, is a type III transmembrane protein of the TNFR superfamily. EDA2R consists of extracellular domain (ECD) with 3 cysteine-rich repeats and a single transmembrane domain but lacks an N-terminal signal peptide. EDA2R is widely expressed, notably in embryonic basal epidermal cells and maturing hair follicles. Even though it does not contain a cytoplasmic death domain, EDA2R can associate with Fas and induce EDA's A2 dependent apoptosis. Its transcription is directly induced by p53, and it mediated cell death is p53 dependent. it is down-regulated in breast, colon, and lung cancers, particularly in cases with p53 mutations. It also plays a role in EDA's A2 induced skeletal muscle degeneration and osteoblast differentiation. Mutations in the EDA gene are associated with the X-linked form of Hypohidrotic Ectodermal Dysplasia (HED), a disease typically characterized by abnormal hair, teeth and sweat glands.



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