

## Product datasheet for **TP727438**

### Eda2r Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Ectodysplasin A2 Receptor/EDA2R/TNFRSF27 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met1-Thr138
Tag:	C-His
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 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	245527
UniProt ID:	<a href="#">Q8BX35</a>
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-dependent apoptosis. Its transcription is directly induced by p53, and its 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-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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