

EDA2R, 1-138aa, Human, His tag, E.coli

Cat.NO.: TP01963

3th Edition

Synonyms: Ectodysplasin A2 receptor, EDA-A2R, EDAA2R, TNFRSF27, XEDAR

Description: EDA-A1 and EDA-A2 are two isoforms of ectodysplasin that are encoded by the anhidrotic ectodermal dysplasia (EDA) gene. Mutations in EDA give rise to a clinical syndrome characterized by loss of hair, sweat glands, and teeth. EDA2R specifically binds to EDA-A2 isoform. This protein is a type III transmembrane protein of the TNFR (tumor necrosis factor receptor) superfamily, and contains 3 cysteine-rich repeats and a single transmembrane domain but lacks an N-terminal signal peptide. Alternatively spliced transcript variants have been found for this gene. Recombinant human EDA2R protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight: 17.7 kDa (161aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMDCQENEYWDQWGRCVTCQRCGPGQELSKDCGYGEGGDAYCTACPPR
RYKSSWGHHRQCSCITCAVINRVQKVNCTATSNVCGDCLPRFYRKTRIGGLQDQECIPCTKTPTSEVQCAFLS
LVEADAPTVPPEAT

Purity: > 95% by HPLC

Concentration: 1mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.