Recombinant human TNFRSF27/EDA2R protein

Catalog Number: ATGP2397

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-138aa

UniProt No.
Q9HAV5

NCBI Accession No.
NP_001229239

Alternative Names
Ectodysplasin A2 receptor, EDA-A2 receptor, EDAA2R, EDA-A2R, TNFRSF27, XEDAR, X-linked ectodysplasin-A2 receptor

PRODUCT SPECIFICATION

Molecular Weight
17.7 kDa (161aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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gene. Recombinant human EDA2R protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

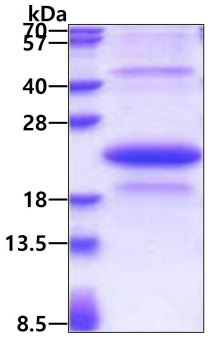
<MGSSHHHHHH SSGLVPRGSH MGS>MDCQENE YWDQWGRCVT CQRCGPGQEL SKDCGYGEGG DAYCTACPPR RYKSSWGHHR CQSCITCAVI NRVQKVNCTA TSNAVCGDCL PRFYRKTRIG GLQDQECIPC TKQTPTSEVQ CAFQLSLVEA DAPTVPPQEA T

General References

Sinha S.K., et al. (2002) J. Biol. Chem. 277:44953-44961
Yan M., et al. (2000) Science. 290:523-527

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.