
Product Data Sheet

Product Name: EDA2R Human
 Cat. No.: GP23353
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ectodysplasin A2 Receptor; XEDAR; TNFRSF27; EDA-A2 Receptor; X-Linked Ectodysplasin-A2 Receptor; EDAA2R; EDA-A2R; Tumor Necrosis Factor Receptor Superfamily Member 27; Tumor Necrosis Factor Receptor Superfamily Member XEDAR; EDAR2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDCQENE YWDQWGRCVT CQRCGPGQEL SKDCGYGEGG DAYCTACPPRRYKSSWGHHR CQSCITCAVI NRVQKVNCTA TSNAVCGDCL PRFYRKTRIG GLQDQECIPC TKQTPTSEVQCAFQLSLVEA DAPTVPPQEA T		
Formulation	EDA2R protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

EDA2R (ectodysplasin A2 receptor) mediates the activation of the NF- κ B and JNK pathways. Activation seems to be mediated through binding to TRAF3 and TRAF6. In addition, 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 however it lacks an N-terminal signal peptide. Alternatively spliced transcript variants have been found for this gene. Among the diseases associated with EDA2R are ectodermal dysplasia 1, hypohidrotic, x-linked, and hypohidrotic ectodermal dysplasia.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Please avoid freeze thaw cycles.

Background

EDA2R Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 161 amino acids (1-138 a.a) and having a molecular mass of 17.7kDa.

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