Recombinant Human EDAR/DL Protein (Fc Tag)

Catalog No. PKSH031081

Note: Centrifuge before opening to ensure complete recovery of vial contents.

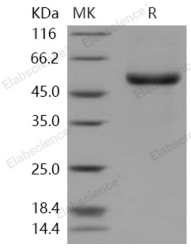
Description

Synonyms	DL;ECTD10A;ECTD10B;ED1R;ED3;ED5;EDA-A1R;EDA1R;EDA3;HRM1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met 1-Ile 189
Accession	NP_071731.1
Calculated Molecular Weight	44.6 kDa
Observed molecular weight	52 kDa
Tag	C-hFc
Bioactivity	Not validated for activity

Properties

Purity	> 96 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

Tumor necrosis factor receptor superfamily member EDAR is a Single-pass type I membrane protein. Edar was expressed reiteratively in signaling centers regulating key steps in morphogenesis. activin signaling from mesenchyme induces the

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expression of the TNF receptor edar in the epithelial signaling centers; thus making them responsive to Wnt-induced ectodysplasin from the nearby ectoderm. This is the first demonstration of integration of the Wnt; activin; and TNF signaling pathways. Defects in EDAR are a cause of ectodermal dysplasia anhidrotic (EDA); also known ectodermal dysplasia hypohidrotic autosomal recessive (HED). Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EDA is characterized by sparse hair (atrichosis or hypotrichosis); abnormal or missing teeth and the inability to sweat due to the absence of sweat glands.

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