

IL-17RD Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Sef;mSef;Interleukin-17 receptor-like protein;IL17rlm;Interleukin-17 receptor D;IL-17 receptor D;IL17rd;IL-17RD
Protein Construction:	Cys17-Arg299
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q8JZL1
Molecular Weight:	40-65 KDa (reducing condition)
AA Sequence:	Cys17-Arg299

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

The IL17rd gene encodes a transmembrane protein of the IL-17 receptor family. IL-17RD, originally termed similar expression to fibroblast growth factor (fgf) genes (Sef) as it belonged to the FGF synexpression group in zebrafish development, is the only orphan receptor without any known ligand within the IL-17R family. IL-17RD is a transmembrane protein shown to inhibit fibroblast growth factor signaling in developmental and cancer contexts, however its role as a tumor suppressor remains to be fully elucidated. The full-length IL-17 RD isoform is

expressed in most adult tissues and during embryonic development.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481