Recombinant Mouse DR6/TNFRSF21 Protein (His Tag)

Catalog No. PKSM041229

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

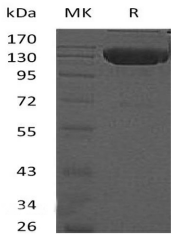
Description

Synonyms	Tumor necrosis factor receptor superfamily member 21;Death receptor 6;Tnfrsf21;CD358;BM-018;DR6
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Gln42-His349
Accession	Q9EPU5
Calculated Molecular Weight	64.7 kDa
Observed molecular weight	75-120 KDa
Tag	C-Fc-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % 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 a 0.2 μm filtered solution of 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



> 95 % as determined by reducing SDS-PAGE.

Background

Tumor necrosis factor receptor superfamily member 21(DR6) is a single-pass type I membrane protein and contains 1

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death domain and 4 TNFR-Cys repeats. The protein may activate NF-kappa-B and promote apoptosis and it may activate JNK and be involved in T-cell differentiation.It is required for both normal cell body death and axonal pruning. Trophic-factor deprivation triggers the cleavage of surface APP by beta-secretase to release sAPP-beta which is further cleaved to release an N-terminal fragment of APP (N-APP). N-APP binds TNFRSF21 triggering caspase activation and degeneration of both neuronal cell bodies (via caspase-3) and axons (via caspase-6).

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