## Recombinant Mouse FAS/TNFRSF6 Protein (His Tag)

Catalog No. PKSM041245

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

Description	
Synonyms	Tumor necrosis factor receptor superfamily member 6;Apo-1 antigen;Apoptosis- mediating surface antigen FAS;FASLG receptor;CD95;Fas;TNFRSF6;APO1;APT1;CD95;lpr;TNFR6
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Gln22-Arg169
Accession	P25446
Calculated Molecular Weight	17.4 kDa
Observed molecular weight	25-35 kDa
Tag	C-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°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 $\mu$ m 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	protectants before lyophilization. Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

## Background

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Mouse Apoptosis-mediating surface antigen FAS (Fas) belongs to the death receptor subfamily of the TNF receptor superfamily and is designated TNFRSF6. Mouse Fas contains 1 death domain and 3 TNFR-Cys repeats. It detected in various tissues including thymus, liver, lung, heart, and adult ovary. As a receptor for TNFSF6/FASLG, The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both.

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