

Recombinant Human USP9Y Protein (R1553-S1972), GST tagged

Cat. No. USP9Y-0640H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-GG-USP9Y(R1553-S1972) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	R1553-S1972
Description	May function as a ubiquitin-protein or polyubiquitin hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. May therefore play an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. Essential component of TGF-beta/BMP signaling cascade. Deubiquitinates monoubiquitinated SMAD4, opposing the activity of E3 ubiquitin-protein ligase TRIM33. Monoubiquitination of SMAD4 hampers its ability to form a stable complex with activated SMAD2/3 resulting in inhibition of TGF-beta/BMP signaling cascade. Deubiquitination of SMAD4 by USP9X re-empowers its competence to mediate TGF-beta signaling.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	USP9Y ubiquitin specific peptidase 9, Y-linked [Homo sapiens (human)]
Official Symbol	USP9Y
Synonyms	USP9Y; ubiquitin specific peptidase 9, Y-linked; ubiquitin specific peptidase 9, Y linked (fat facets like, Drosophila); probable ubiquitin carboxyl-terminal hydrolase FAF-Y; DFFRY; fat facets like homolog (Drosophila); ubiquitin thioesterase FAF-Y; deubiquitinating enzyme FAF-Y; ubiquitin thiolesterase FAF-Y; fat facets protein-related, Y-linked; ubiquitin-specific protease 9, Y chromosome; ubiquitin-specific processing protease FAF-Y; ubiquitin-specific-processing protease FAF-Y; ubiquitin specific peptidase 9, Y-linked (fat facets-like, Drosophila); SPGFY2; FLJ33043;
Gene ID	8287
mRNA Refseq	NM_004654
Protein Refseq	NP_004645
MIM	400005

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UniProt ID

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