

Recombinant Zebrafish tek Protein, His&GST-tagged

Cat. No. tek-1257Z Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Zebrafish tek Protein (Val22-Ala312) with His&GST tag was expressed in E. coli.
Species	Zebrafish
Source	E.coli
ProteinLength	Val22-Ala312
Description	Predicted to enable transmembrane receptor protein tyrosine kinase activity. Acts upstream of or within angiogenesis and heart development. Predicted to be located in several cellular components, including cytoskeleton; focal adhesion; and plasma membrane. Predicted to be integral component of membrane. Predicted to be part of receptor complex. Predicted to be integral component of plasma membrane. Is expressed in endothelial cell; vasculature; and vertical myoseptum. Human ortholog(s) of this gene implicated in arteriovenous malformation and multiple cutaneous and mucosal venous malformations. Orthologous to human TEK (TEK receptor tyrosine kinase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61.3 kDa; Accurate Molecular Mass: 61 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	tek TEK tyrosine kinase, endothelial [<i>Danio rerio</i> (zebrafish)]
Official Symbol	tek
Synonyms	tek; TEK tyrosine kinase, endothelial; tie2; tie-2; tyrosine-protein kinase receptor Tie-2; endothelium-specific receptor tyrosine kinase 2; tyrosine kinase with Ig and EGF homology domains-2; EC 2.7.10.1
Gene ID	30747
mRNA Refseq	NM_131461
Protein Refseq	NP_571536
UniProt ID	O73791

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