

Recombinant Full Length Human MERTK Protein, C-Flag-tagged

Cat. No. MERTK-900HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human MERTK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	108 kDa
AA Sequence	MGPAPLPLLLGLFLPALWRRRAITEAREEAKPYPLFPGPFPGLSLQTDHTPLLSLPHAS GYQPALMFSTQP GRPHTGNVAIPQVTSVESKPLPPLAFKHTVGHIIILSEHKGVKFN CSISVPNIYQDTTISWWKDGKELLGA HHAITQFYPPDDEVTAIIASFSTSVQRSDNGS YICKMKINNEEIVSDPIYIEVQGLPHFTKQPESMNVTR NTAFNLTCQAVGPPEPVNIF WVQNSSRVNEQPEKSPSVLTVPLGTEMAVFSCEAHNDKGLTVSKGVQINI KAIPSP PTEVSIRNSTAHSILISWVPGFDGYSPFRNCSIQVKEADPLSNGSVMIFNTSALPHLY QIKQLQ ALANYSIGVSCMNEIGWSAVSPWILASTTEGAPSVAPLNVTVFLNESSDNV

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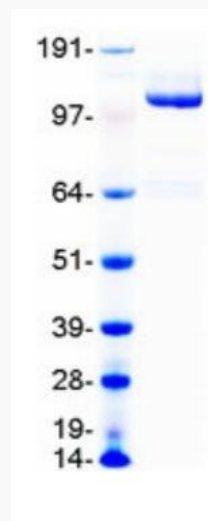
 45-1 Ramsey Road, Shirley, NY 11967, USA

DIRWMKPPTKQQDGELVGY RISHVWQSAGISKELLEEVGQNGSRARISVQVHNAT
 CTVRIA AVTRGGVGPFS DPVKIFIPAHGWVDYAP SSTPAPGNADPVLIIFGCFCGFILI
 GLILYISLAIRKRVQETKFGNAFTEEDSELVVNYIAKKSFCRRAI ELTLHSLGVSEELQ
 NKLEDVVIDRNL LILGKILGEGEFGSVMEGNLKQEDGTSLKVAVKTMKLDNSSQRE I
 EEFLSEAACMKDFSHPNVIRLLGVCIE MSSQGIPKPMVILPFMKYGD LHTYLLYSRLE
 TGPKHIPLQTL LKFMVDIALGMEYLSNRNFLHRDLAARNCMLRDDMTVCVADFGLS
 KKIYSGDYRRQGRIAKMPVKWIAIE SLADRVYTSKSDVWAFGVTMWEIATRGMPY
 PGVQNH EMYDYLLHGHRLKQPEDCLDELYEIMYSCWR TD PLDRPTFSVLRLQLEKL
 LESLPDVRNQADVIYVNTQLLESSEGLAQGSTLAPLDLNIDPDSIIASCTPRA AISVVT
 AEVHDSKPHEGRYILNGGSEEWEDLTSAPSAAVTA EKNSVLPGERLVRNGVSWSH
 SSMLPLGSS
 LPDELLFADDSSSEGSEVLMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	MERTK MER proto-oncogene, tyrosine kinase [Homo sapiens (human)]
Official Symbol	MERTK
Synonyms	MER; RP38; c-Eyk; c-mer; Tyro12
Gene ID	10461
mRNA Refseq	NM_006343.3
Protein Refseq	NP_006334.2
MIM	604705
UniProt ID	Q12866



Coomassie blue staining of purified MERTK protein.