

# Product Data Sheet

## Recombinant Human MERTK Protein

Catalog #	Source	Reactivity	Applications
CRP1953	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human MERTK Protein is produced by our mammalian expression system and the target gene encoding Met177-Ala499 is expressed with a 6His tag at the C-terminus.		
<b>Form</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.		
<b>Gene Symbol</b>	MERTK		
<b>Alternative Names</b>	MER; Tyrosine-protein kinase Mer; Proto-oncogene c-Mer; Receptor tyrosine kinase MerTK		
<b>Entrez Gene</b>	10461 (Human)		
<b>SwissProt</b>	Q12866 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	MKINNEEIVS DPIYIEVQGL PHFTKQPESM NVTRNTAFNL TCQAVGPPEP VNIFWVQNSS RVNEQPEKSP SVLTVPLTE MAVFSCEAHN DKGLTVSKGV QINIKAIPSP PTEVSIRNST AHSILISWVP GFDGYSPFRN CSIQVKEADP LNSGSMIFN TSALPHLYQI KQLQALANYS IGVSCMNEIG WSAVSPWILA STTEGAPSPA PLNVTVFLNE SSDNVDIRWM KPPTKQQDGE LVGYRISHVW QSAGISKELL EEVGQNGSRA RISVQVHNAT CTVRIAATK GGVGPFSDPV KIFIPAHGWV DYAPSSTPAP GNAVDHHHHH H		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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