

Product datasheet for TP519426

Il10ra (NM_008348) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 10 receptor, alpha (Il10ra), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219426 representing NM_008348 Red =Cloning site Green =Tags(s) MLSRLLPFLVTISSLSLEFIAYGTELPSPSYVWFPEARFFQHILHWKPIPNSQSESTYYEVALKQYGNSTWN DIHICRKAQALSCDLTTFTLDLYHRSYGYRARVRAVDNSQYSNWTTTETRTVDEVILTVDSVTLKAMDG IYGTIHPRPRTITPAGDEYEQVFKDLRVYKISIRKFSELKNATKRVKQETFTLTVPIGVRKFCVKVLP LESRINKAEWSEEQCLLITTEQYFTVTNLSILVISMLLFCGILVCLVLQWYIRHPGKLPTVLVFKKPHDF FPANPLCPETPDIAIHVDLEVPKVSLELRDSVLHGSTDGSGFGSGKPSLQTEESQFLLPGSHPQIQGTG KEESPLQATCGDNTDSGICLQEPGLHSSMGPAAWKQQLGYTHQDQDDSDVNLVQNSPGQPKYTQDASALG HVCLLEPKAPEEKDQVMVTFQGYQKQTRWKAEEAGPAECLDEEIPLTDAFDPELGVHLQDDLAWPPPALA AGYLKQESQGMASAPPGTSPSRQWNQLTEEWSLLGVVSCEDLSIESWRFAHKLDPLDCGAAPGGLLDSLGS NLVTLPLISSLQVEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	64.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_032374
Locus ID:	16154
UniProt ID:	Q61727 , Q3UDL4 , Q3UDV8
RefSeq Size:	3493
Cytogenetics:	9 24.84 cM
RefSeq ORF:	1725
Synonyms:	AW553859; CDw210; CDw210a; IL-10R1; IL-10RA; IL10r; mL-10R
Summary:	<p>Cell surface receptor for the cytokine IL10 that participates in IL10-mediated anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Upon binding to IL10, induces a conformational change in IL10RB, allowing IL10RB to bind IL10 as well. In turn, the heterotetrameric assembly complex, composed of two subunits of IL10RA and IL10RB, activates the kinases JAK1 and TYK2 that are constitutively associated with IL10RA and IL10RB respectively. These kinases then phosphorylate specific tyrosine residues in the intracellular domain in IL10RA leading to the recruitment and subsequent phosphorylation of STAT3 (PubMed:8910398). Once phosphorylated, STAT3 homodimerizes, translocates to the nucleus and activates the expression of anti-inflammatory genes. In addition, IL10RA-mediated activation of STAT3 inhibits starvation-induced autophagy (By similarity).[UniProtKB/Swiss-Prot Function]</p>