HLA-DRA-FC recombinant protein

Catalog No :   YD3087

Reactivity :   Human;

Purity :   >90% as determined by SDS-PAGE

Gene Name :   CD74

Protein Name :   HLA class II histocompatibility antigen gamma chain (HLA-DR antigens-associated invariant chain) (Ia antigen-associated invariant chain) (Ii) (CD antigen CD74) [Cleaved into: Class-II-associated invar

Sequence :   Amino acid:73-296,with FC tag.

Human Gene Id :   972

Human Swiss Prot No :   P04233

Formulation :   Phosphate-buffered solution

Source :   Mammalian cells

Storage Stability :   -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Function :   Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF.; [Class-II-associated invariant chain peptide]: Binds to the peptide-binding site of MHC class II alpha/beta heterodimers forming an alpha-beta-CLIP complex, thereby preventing the loading of antigenic peptides to the MHC class II complex until its release by HLA-DM in the endosome.; [Isoform p41]: Stabilizes the conformation of mature CTSL by binding to its active site and serving as a chaperone to help maintain a pool of mature enzyme in endocytic compartments and extracellular space o

Subcellular Location :   Cell membrane ; Single-pass type II membrane protein . Endoplasmic reticulum membrane. Golgi apparatus, trans-Golgi network. Endosome. Lysosome. Secreted . Note=Transits through a number of intracellular compartments in the

endocytic pathway. It can either undergo proteolysis or reach the cell membrane.; [Isoform p41]: Late endosome . Lysosome .

Expression :   Detected in urine (at protein level).; [Isoform p41]: In B cells, represents 10% of total CD74 expression.; [Isoform p33]: In B cells, represents 70% of total CD74 expression.

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