

Product datasheet for **RG206830**

DHLAG (CD74) (NM_001025158) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | DHLAG (CD74) (NM_001025158) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | DHLAG |
| Synonyms: | DHLAG; HLADG; Ia-GAMMA; II; p33 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Protein Sequence: | >RG206830 representing NM_001025158 Red =Cloning site Green =Tags(s) MHRRRSRSCREDQKPVMDQQRDLISNNEQLPMLGRRPGAPESKCSRGALYTGFSILVTL LLAGQATTAYF LYQQGRLDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLL MQALPMGALPQGP MQNATKYGNMTE HVMHLLQSHWNWRTRLLGWV TR TRPLE - GFP Tag - V |
| Restriction Sites: | Sgfl-MluI |



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Cloning Scheme:


ACCN: NM_001025158

ORF Size: 480 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001025158.2](#)

RefSeq Size: 1155 bp

RefSeq ORF: 483 bp

Locus ID: 972

UniProt ID: [P04233](#)

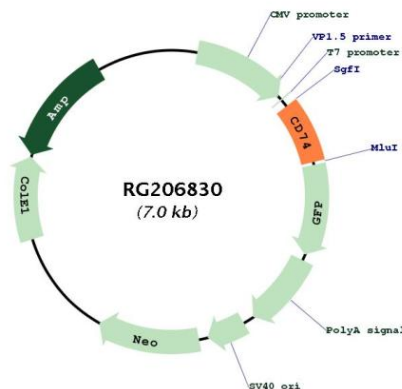
Cytogenetics: 5q33.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Antigen processing and presentation

Gene Summary: The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG206830