

## Product datasheet for **SC308724**

### LRBA (NM\_006726) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LRBA (NM\_006726) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** LRBA  
**Synonyms:** BGL; CDC4L; CVID8; LAB300; LBA  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_006726, the custom clone sequence may differ by one or more nucleotides

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 GCTTCAGGAAGCATTGTGCTATTTTACAACGACTTTAACCGGTGGCATCATGAATACCAA  
 ACCCGCTACTGA

- Restriction Sites:** Please inquire
- ACCN:** NM\_006726
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_006726.1](#), [NP\\_006717.1](#)
- RefSeq Size:** 9909 bp
- RefSeq ORF:** 8592 bp
- Locus ID:** 987
- UniProt ID:** [P50851](#)
- Cytogenetics:** 4q31.3
- Domains:** Beach, WD40

**Gene Summary:**

The protein encoded by this gene is a member of the WDL-BEACH-WD (WBW) gene family. Its expression is induced in B cells and macrophages by bacterial lipopolysaccharides (LPS). The encoded protein associates with protein kinase A and may be involved in leading intracellular vesicles to activated receptor complexes, which aids in the secretion and/or membrane deposition of immune effector molecules. Defects in this gene are associated with the disorder common variable immunodeficiency-8 with autoimmunity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]  
Transcript Variant: This variant (2) encodes the longer isoform (2).