

Product datasheet for **SC319683**

Biliverdin Reductase (BLVRA) (NM_000712) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Biliverdin Reductase (BLVRA) (NM_000712) Human Untagged Clone
Tag: Tag Free
Symbol: Biliverdin Reductase
Synonyms: BLVR; BVR; BVRA
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_000712.3
GGTCCGCAAAGCCGGTGGCGCCCGGAGGCTGCACGGAGAGCGGTGCCCGCTCAGTGACC
GAAGGAAGAGACCAAGATGAATACAGAGCCCGAGAGGAAGTTTGGCGTGGTGGTGGTGG
TGTTGGCCGAGCCGGCTCCGTGCGGATGAGGGACTTGCGGAATCCACACCTTCCTCAGC
GTTCTGAACCTGATTGGCTTCGTGTCGAGAAGGGAGCTCGGGAGCATTGATGGAGTCCA
GCAGATTTCTTTGGAGGATGCTCTTTCCAGCCAAGAGGTGGAGGTCGCCTATATCTGCAG
TGAGAGCTCCAGCCATGAGGACTACATCAGGCAGTTCCTTAATGCTGGCAAGCACGTCT
TGTGGAATACCCCATGACTGTGATTGGCGCCGCTCAGGAAGTGGGAGCTGGCTGA
GCAGAAAGGAAAAGTCTCGCACGAGGAGCATGTTGAACTCTTGATGGAGGAATTCGCTTT
CCTGAAAAAAGAAGTGGTGGGAAAGACCTGCTGAAAGGGTCGCTCCTCTCACAGCTGG
CCCGTTGGAAGAAGAGCGGTTTGGCTTCCCTGCATTGAGCGGCATCTCTCGCCTGACCTG
GCTGGTCTCCCTCTTTGGGAGCTTTCTTGTGTCTGCCACTTTGGAAGAGCGAAAAGGA
AGATCAGTATATGAAAATGACAGTGTGTCTGGAGACAGAGAAGAAAAGTCCACTGTCATG
GATTGAAGAAAAGGACCTGGTCTAAAACGAAACAGATATTTAAGCTTCCATTTCAAGTC
TGGGTCTTGGAGAAATGTGCAAATGTAGGAGTGAATAAGAACATATTTCTGAAAGATCA
AAATATATTTGTCCAGAACTCTTGGGCCAGTTCTCTGAGAAGGAACTGGCTGCTGAAAA
GAAACGCATCCTGCACTGCCTGGGGCTTGCAAGAAAATCCAGAAATATTGCTGTTCAAG
GAAGTAAGAGGAAGAGGTGATGTAGCACTTCCAAGATGGCACCAGCATTGGTTCTTCTC
AAGAGTTGACCATTATCTCTATTCTTAAAATTAACATGTTGGGGAACAATGAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_000712



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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:	<ol style="list-style-type: none">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_000712.3 , NP_000703.2
RefSeq Size:	1094 bp
RefSeq ORF:	891 bp
Locus ID:	644
UniProt ID:	P53004
Cytogenetics:	7p13
Domains:	GFO_IDH_MocA
Protein Pathways:	Porphyrin and chlorophyll metabolism
Gene Summary:	<p>The protein encoded by this gene belongs to the biliverdin reductase family, members of which catalyze the conversion of biliverdin to bilirubin in the presence of NADPH or NADH. Mutations in this gene are associated with hyperbiliverdinemia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript. Variants 1 and 2 encode the same protein.</p>