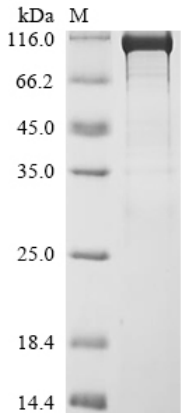


Datasheet

Product Name	Recombinant Human Probable global transcription activator SNF2L2(SMARCA2),partial, Biotinylated
Catalog Number	MBS953002-B
Expression host	<i>E.coli</i>
Product Info	N-terminal MBP-tagged and C-terminal 6xHis-Avi-tagged
Conjugate	<p>Avi-tag Biotinylated</p> <p><i>E. coli</i> biotin ligase (BirA) is highly specific in covalently attaching biotin to the 15 amino acid AviTag peptide. This recombinant protein was biotinylated in vivo by AviTag-BirA technology, which method is BriA catalyzes amide linkage between the biotin and the specific lysine of the AviTag.</p>
Buffer	Lyophilized from a 0.2 μm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH8.0. The volume before lyophilization is 100μl/vial , 4vials.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Component of SWI/SNF chromatin remodeling complexes that carry out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner. Binds DNA non-specifically (PubMed:22952240, PubMed:26601204).
AA sequence	SYTVAHAISERVEKQSALLINGTLKHYQLQGLEWMVSLYNNNLNGILADEMG LGKTIQTIALITYLMEHKRLNGPYLIIVPLSTLSNWTYEFDKWAPSVVKISYKGTP AMRRSLVPQLRSGKFNVLLTTYEYIIKDKHILAKIRWKYMIVDEGHRMKNHHC KLTQVLNTHYVAPRRILLTGTP LQNKLPELWALLN FLLPTIFKSCSTFEQWFNAP FAMTGERVDLNEEETILIRRLHKVLRPFLRLKKEVESQLPEKVEYVIKCDMS ALQKILYRHMQA K GILLTDGSEKDKKGKGGAKTLMNTIMQLRKICNHPYMFQ HIEESFAEHLGYSNGVINGAELYRASGKFELDRILPKLRATNHRVLLFCQMTSL MTIMEDYFAFRNFLYLRLDGTTKSEDRAALLKKFNEPGSQYFIFLLSTRAGGLG LNLQAADTVVIFDSDWNPHQDLQAQDRAHRIGQQNEVRVLR LCTVNSVEEKIL AAAKYKLNVDQKVIQAGMFDQKSSSHERRAF
References	<p>"Two human homologues of <i>Saccharomyces cerevisiae</i> SWI2/SNF2 and <i>Drosophila</i> brahma are transcriptional coactivators cooperating with the estrogen receptor and the retinoic acid receptor."</p> <p>Chiba H., Muramatsu M., Nomoto A., Kato H. Nucleic Acids Res. 22:1815-1820(1994)</p>

Certificate of Analysis

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Buffer	Lyophilized from a 0.2 μ m sterile filtered 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH8.0.The volume before lyophilization is 100μl/vial , 4vials.		
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.		
Batch Number	DD05140b1g0		
Nature	Human SMARCA2-(AA 700-1216)-P51531-Partial Protein		
Purification	Affinity purified using IMAC		
Recommended Storage	Short term	2 to 8 °C, one week from the date of receipt	
	Long term	-20 to -80 °C, twelve months from the date of receipt	
Form	Lyophilized powder		
Date of detection	2022.01.20		
Test Items	Specifications		Results
Purity	≥90%, by SDS-PAGE quantitative densitometry by Coomassie Blue Staining.		90%
Molecular Weight	Predicted band size: 107.5 kDa		Observed band size: 110 kDa

Electrophoretic parameters	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.	
Aseptic Processing	<p>Lyophilized protein has been sterile filtered prior to lyophilization.</p> <p>However, the lyophilization process could potentially compromise sterility and please follow the instruction below if customers need a sterile filtered protein.</p> <p>Please sterile filter reconstituted lyophilized proteins with a 0.22µm filter in a clean bench (or other sterile environment) after reconstitution.</p> <p>Customers could use it as reference.</p>	
Endotoxin Level	<1.0 EU per 1µg of the protein by the LAL method.	pass
Activity	Not tested	
Conjugate	In vivo biotinylation, The biotin to protein ratio is 0.5-1 as determined by the HABA assay.	
Conclusion	pass	

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