

Recombinant human Myosin IIIB protein ab55716

4 Images

Description

Product name	Recombinant human Myosin IIIB protein
Biological activity	Specific Activity: 85 nmol/min/mg
Purity	> 90 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	1 to 326

Specifications

Our **Abpromise guarantee** covers the use of **ab55716** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Liquid
Additional notes	ab64311 (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

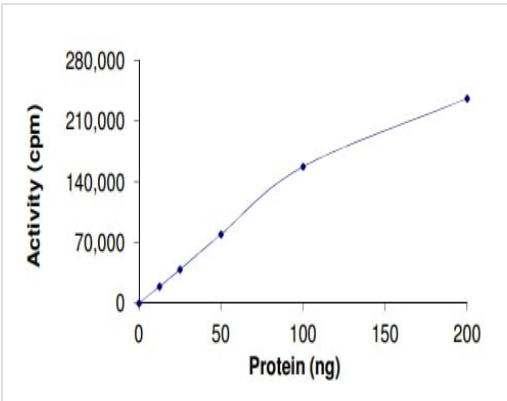
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

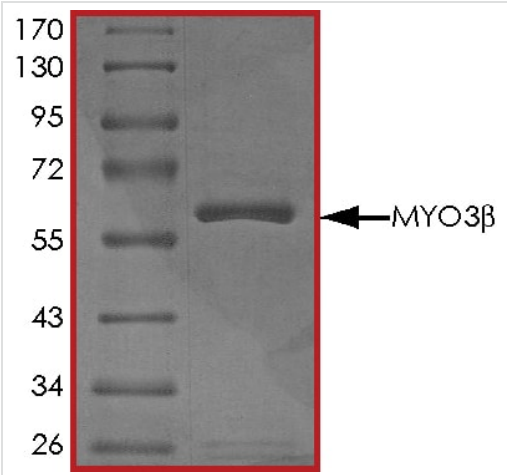
Function	Probable actin-based motor with a protein kinase activity.
Tissue specificity	Expressed in retina, kidney and testis.
Sequence similarities	In the N-terminal section; belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. Contains 2 IQ domains. Contains 1 myosin head-like domain. Contains 1 protein kinase domain.
Cellular localization	Cytoplasm > cytoskeleton.

Images



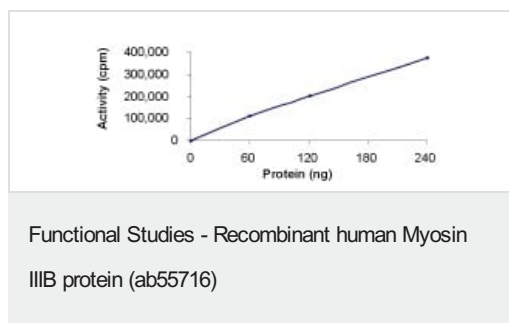
The specific activity of Myosin IIIB (ab55716) was determined to be 78 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human Myosin IIIB protein (ab55716)

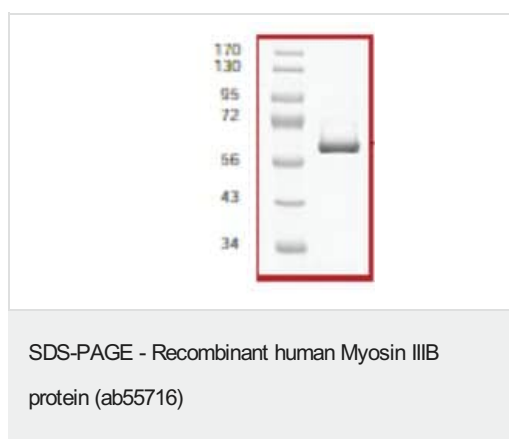


SDS PAGE analysis of ab55716

SDS-PAGE - Recombinant human Myosin IIIB protein (ab55716)



Kinase assay using ab55716. Specific activity 85 nmol/min/mg.



SDS-PAGE analysis of **ab55716** with molecular weight markers. Approximate molecular weight 63kDa.

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