Biotinylated Human HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA) Monomer Protein

Cat. No. MHC-HE025B

Description

Source	Recombinant Biotinylated Human HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA) Monomer Protein is expressed from E.coli with His tag and Avi tag at the C-terminus.
	It contains Gly25-Thr305(HLA-A*02:01), Ile21-Met119(B2M) and AAPGAPPAA peptide.
Accession	A0A140T913(HLA-A*02:01)&P61769(B2M)&AAPGAPPAA
Molecular Weight	The protein has a predicted MW of 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M) same as Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

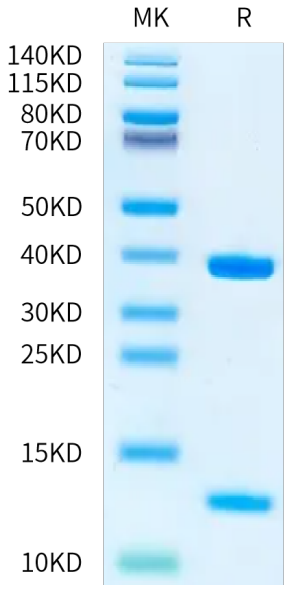
Formulation	Supplied as 0.22 μm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The gene FOXO3, encoding the transcription factor forkhead box O-3 (FoxO3), is one of only two for which genetic polymorphisms have exhibited consistent associations with longevity in diverse human populations. Diseases associated with FOXI3 include Craniofacial Microsomia 2 and Craniofacial Microsomia.

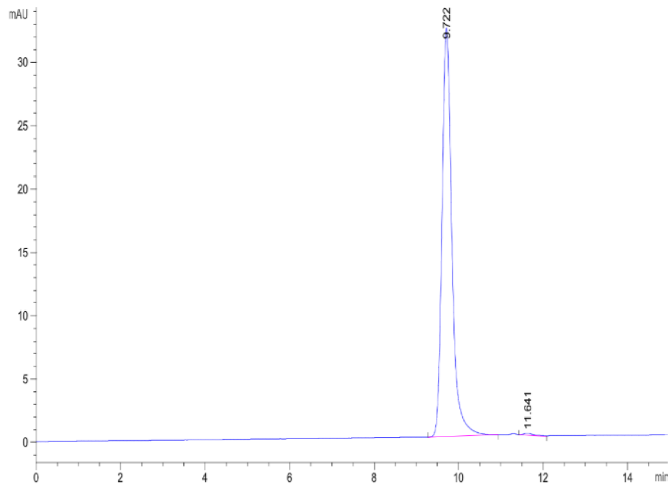
Assay Data

Bis-Tris PAGE



Biotinylated Human HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human HLA-A*02:01&B2M&FOXI3 (AAPGAPPAA) Protein is greater than 95% as determined by SEC-HPLC.