

HLA-A*011:01 KRAS G12D Recombinant Protein | KRAS recombinant protein

Biotinylated HLA-A*011:01 KRAS G12D peptide complex

CATALOG #	HOST
AAA76368	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)

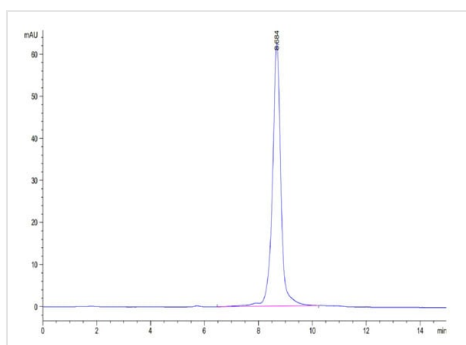
PRODUCT SYNONYMS

HLA-A*011:01 KRAS G12D; Biotinylated HLA-A*011:01 KRAS G12D peptide complex; KRAS recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK cells (Note: Host protein expression may be lot-specific and can be subject to change during production, including bulk orders.)
Purity/Purification	purity was determined to be >95% by nonreducing PAGE and HPLC
Form/Format	Recombinant HLA-A*011:01 KRAS G12D complex was lyophilized from 0.2 um filtered PBS solution pH7.4
Source	DNA sequence encoding the Human (HLA-A*011:01) AA25-305 [accession# P04439] and the B2M protein AA2-119 [accession# P61769], fused to the mutant G12D KRAS epitope VVVGADGVGK. This complex includes a C terminal polyHis and was expressed in HEK cells. This protein was then biotinylated site specific using the AVItag biotinylation technology
Endotoxin	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/ug (1EU/ug).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20 degree C.

IMAGES



Application Data

Biotinylated KRAS G12D (HLA-A*11:01) HPLC The purity of KRAS G12D (HLA-A*11:01) complex was greater than 95% as determined by SEC-HPLC.



SDS-PAGE

Biotinylated KRAS G12D (HLA-A*11:01) protein PAGE 1ug loaded Tris-Bis PAGE under reducing condition. The purity is greater than 95%.

ADDITIONAL INFORMATION

Product Categories/Family for KRAS recombinant protein	MHC peptide complexes
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Recombinant HLA-A/KRAS G12D has a calculated mass of approximately 50kDa. Due to glycosylation migrates as an approximately 60 kDa protein under reducing conditions in SDS-PAGE.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/hla-a-011-01-kras-g12d-recombinant-protein/76368>