Recombinant human B7-H3 (4Ig)/B7-H3b protein

Catalog Number: ATGP3635

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
29-466aa

UniProt No.
Q5ZPR3

NCBI Accession No.
NP_001019907.1

Alternative Names
CD276 antigen isoform, CD276, 4Ig-B7-H3, B7-H3, B7H3, B7RP-2

PRODUCT SPECIFICATION

Molecular Weight
48.1 kDa (446aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CD276, also known as CD276 antigen isoform, is a member of B7 family of immunoregulatory transmembrane glycoproteins expressed by T cells. It is a costimulatory molecule for T cell activation and IFN-gamma production. It upregulates BRCC3 expression, antagonizing DNA damage caused by 5-Fu. It is correlated with TNM stage of NSCLC and may serve as a potential biomarker for NSCLC-derived MPEs. Recombinant human CD276, fused to

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His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

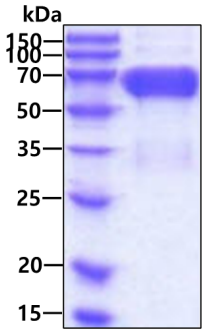
LEVQVPEDPV VALVGTDATL CCSFSPEPGF SLAQLNLIWQ LTDTKQLVHS FAEGQDQGSA YANRTALFPD LLAQGNASLR LQRVRVADEG SFTCFVSIRD FGSAAVSLQV AAPYSKPSMT LEPNKDLRPG DTVTITCSSY QGYPEAEVFW QDGQGVPLTG NVTTSQMANE QGLFDVHSIL RVVLGANGTY SCLVRNPVLQ QDAHSSVTIT PQRSPTGAVE VQVPEDPVVA LVGTDATLRC SFSPEPGFSL AQLNLIWQLT DTKQLVHSFT EGRDQGSAYA NRTALFPDLL AQGNASLRLQ RVRVADEGSF TCFVSIRDFG SAAVSLQVAA PYSKPSMTLE PNKDLRPGDT VTITCSSYRG YPEAEVFWQD GQGVPLTGNV TTSQMANEQG LFDVHSVLRV VLGANGTYSC LVRNPVLQQD AHGSVTITGQ PMTFPPEA<LE HHHHHH>

General References

Sun ZZ., et al. (2016) Oncol Rep. 36:231-238.
Chen L., et al. (2016) Clin Chim Acta. 457:81-85.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.