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Datasheet for ABIN1097023 OPN5 Protein (AA 29-260) (His tag)



| Overview | |
|----------|--|
| | |

| Quantity: | 50 µg |
|-------------------------------|---|
| Target: | OPN5 |
| Protein Characteristics: | AA 29-260 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This OPN5 protein is labelled with His tag. |

Product Details

| Purpose: | Recombinant Human Kallikrein 8/Neuropsin (C-6His) |
|------------------|---|
| Sequence: | QEDKVLGGHE CQPHSQPWQA ALFQGQQLLC GGVLVGGNWV LTAAHCKKPK YTVRLGDHSL |
| | QNKDGPEQEI PVVQSIPHPC YNSSDVEDHN HDLMLLQLRD QASLGSKVKP ISLADHCTQP |
| | GQKCTVSGWG TVTSPRENFP DTLNCAEVKI FPQKKCEDAY PGQITDVMVC AGSSKGADTC |
| | QGDSGGPLVC DGALQGITSW GSDPCGRSDK PGVYTNICRY LDWIKKIIGS KGVDHHHHHH |
| Characteristics: | Recombinant Human Kallikrein 8 is produced with our mammalian expression system in |
| | human cells. The target protein is expressed with sequence (Gln29-GLy260) of Human KLK8 |
| | fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

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| Target Details | |
|---------------------|--|
| Target: | OPN5 |
| Alternative Name: | neuropsin (OPN5 Products) |
| Sub Type: | Fusionprotein |
| Background: | Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many Kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen Kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same protein. Alternative Names: Kallikrein-8, hK8, Neuropsin, NP, Ovasin, Serine Protease 19, Serine Protease TADG-14, Tumor-Associated Differentially Expressed Gene 14 Protein, KLK8, NRPN, PRSS19, TADG14 |
| Molecular Weight: | 26.04 kDa |
| UniProt: | 060259 |
| Application Details | |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Reconstitution: | It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Buffer: | Supplied as a 0.2 μm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0. |
| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
| Storage: | -80 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| Expiry Date: | 6 months |
| | |

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